

Mycotoxins in Foodstuffs

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My Parents

Preface

Mycotoxins in Foodstuffs Because mankind exists, the need for food is indispensable. But food is attacked by many microorganisms. If suitable conditions prevail, the microorganisms can grow and subsequently spoil the food. Of these microorganisms, filamentous fungi are of special interest. Once they grow, they not only spoil the food but they can also produce mycotoxins. The presence of invisible mycotoxins in food is unwarranted and can produce serious problems. At high levels mycotoxins can even cause death shortly after exposure. At lower levels, they can cause disorders in various organs and/or impair immunity. In the end, mycotoxins are a cost factor in people's health.

In contrast to bacterial contamination of food the enhanced contamination by fungi becomes more visual. Every consumer knows about the appearance of moldy food and the awareness of the public concerning the health hazard of foods is great. Furthermore, consumers demand high quality food. As a prerequisite for producing such food the food industry as a whole must be aware of fungi and their corresponding mycotoxins. This book, *Mycotoxins in Foodstuffs*, gives excellent information about mycotoxins occurring in food.

Mycotoxin contamination of food occurs as a result of crop invasion by field fungi, for example, *Fusarium* spp. and *Alternaria* spp. Drought, close planting, competition from weeds, reduced fertilization, and other factors cause stress to plants and enhance the growth of these fungi. Another reason is the growth of storage fungi in improperly stored crops and/or after processing the plants into food products. Then *Aspergillus* spp. and *Penicillium* spp. (storage fungi) start their growth. Storage fungi also grow while food is preserved, for example, in a refrigerator.

In the worst case these fungi produce secondary metabolites, the so-called mycotoxins. They can be very harmful for man and animal. In 1960 the Turkey "X" disease was caused by a toxin (aflatoxin) produced by molds belonging to the *Aspergillus flavus* group. It resulted in the death of 100,000 turkeys in the United Kingdom. Herewith the search for mycotoxins began. Today, approximately 400 mycotoxins are known, having different negative effects on one or several organs in the human or animal body.

The present book gives an overview of the main mycotoxins in food. It lists the degree of contamination, concentration, and country of detection/origin for each case of mycotoxin contamination. In addition to this information, the book shows whether a foodstuff is predisposed for mycotoxin contamination (number of different mycotoxins as well as number of citations in or for one food item). More than 870 references have been cited.

The foodstuffs are listed in alphabetical order. Terms with brackets follow. All types of, for example, flakes, flours, fruits, grits, juices, kidneys, livers, meals, milks, nuts, oils, and spices are ordered together to get a faster overview of mycotoxins involved in the corresponding foodstuff. This was done as far as possible.

In some cases, the country of detection is not necessarily the country of origin, but information was lacking concerning the country of origin of such imports in the original literature.

Mycotoxins in Foodstuffs contributes to greater information and transparency in human food. It is especially suitable for those with responsibility in the food industry (e.g., food producers, supervisors of food, food traders) as well as ministries, offices, and departments of farming and environmental control on the national and international level, offices, associations, agricultural chambers, mycologists, mycotoxicologists, biologists, chemists, supervisors in food quality control, lawyers and experts in food law, students of respective fields, and further groups of interests.

Authors are invited to send published articles (in English only, please) in recommended journals to the author of this book. After critical review relevant results may be published in a later edition.

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Abbreviations

ah	affected household
BEN	Balkan Endemic Nephropathy
BGY	bright greenish yellow
c	conventional
cg	conventionally grown
co	conventional origin
con	control
conc	concentration
DL	detection limit
dw	dry weight
EC	esophageal cancer
eg	ecologically grown
Fdk	<i>Fusarium</i> -damaged kernels
hdk	heavily damaged kernels
hlk	healthy looking kernels
LOQ	limit of quantification
nah	nonaffected household
nc	no comment
ncac	no comment about consumption
nd	not detected
nsi	not sieved
o	organic
pr	present
tr	traces
s	selected
sa	samples
si	sieved
vh	visibly healthy
vm	visibly moldy

Notation

kg = kilogram
mg = milligram = 10^{-3} g; $1\text{mg/kg} = 1 : 10^6 = \text{ppm} = \text{parts per million}$
 μg = microgram = 10^{-6} g; $1\mu\text{g/kg} = 1 : 10^9 = \text{ppb} = \text{parts per billion}$
l = litre
ml = millilitre = 10^{-3} l; $1\text{ml/l} = 1 : 10^3$
 μl = microlitre = 10^{-3} ml; $1\mu\text{l/l} = 1 : 10^6 = \text{ppm} = \text{parts per million}$

Acha may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 4/23, conc. range: 2.4–20 µg/kg,

Ø conc.: 12 µg/kg, country: Nigeria⁷⁶⁸

see also areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drink, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruit products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices

(mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 2/23, conc. range: 8–12 µg/kg,

Ø conc.: 10 µg/kg, country: Nigeria⁷⁶⁸

see also areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

DEOXYNIVALENOL

incidence: 3/21, conc. range: 7–58 µg/kg,

Ø conc.: 34.2 µg/kg, country: Nigeria⁷⁶⁸

see also barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits

(maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

ZEARALENONE

incidence: 8/23, conc. range: 18–602 µg/kg, Ø conc.: 257 µg/kg, country: Nigeria⁷⁶⁸
see also amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Almond paste

see Marzipan (almond paste)

Almonds

see Nuts (almond)

Amaranth may contain the following mycotoxins:

ZEARALENONE

incidence: 2/2, conc. range: 420–1980 µg/kg, Ø conc.: 1200 µg/kg, country: Argentina⁴³⁴
see also acha, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes

(corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Ammi

see Spices (ammi)

Angkak (red mold rice) may contain the following mycotoxins:

CITRININ

incidence: 4/16*, conc. range: ≤50,000 µg/kg, country: Germany³¹², *from China, Japan, unknown
incidence: 4/4*, conc. range: 42–86 µg/kg, country: Germany⁷¹⁵, *imported?
see also barley, cereals, cheese, food, food colorant, fruits (apple), maize, maize dough, meal (copra), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), oil seed rape, olives, rice, spices, spices (cardamom), spices (coriander), spices (cumin), spices (fennel), spices (pepper), spices (turmeric), wheat

Apple and fruit vinegar

see Vinegar

Apple cider may contain the following mycotoxins:

PATULIN

incidence: 2/8*, conc. range: 5–10 µg/l, Ø conc.: 7.5 µg/l, country: South Africa²²², *alcoholic apple
incidence: 2/5, conc. range: 2.8 µg/l, country: Belgium⁶⁷⁷

incidence: 1/2*, conc.: 6.1 µg/l, country: Belgium⁶⁷⁷, *imported

incidence: 5/5, conc. range: 244–3993 µg/kg, Ø conc.: 1902 µg/kg, country: USA⁷¹¹

incidence: ?/100, conc. range: ≤45,000* µg/l, country: USA⁸⁴⁴, *organic

incidence: 4/95, conc. range: ≤25,000 µg/l, country: USA⁸⁴⁴

incidence: 4/19*, conc. range: 50–2000 µg/kg, Ø conc.: 250 µg/kg, country: France⁸⁵³, *home-made, industrial

see also apple flavor, apples (stewed fruit), berries (blueberry), berries (lingonberry), berries (mulberry), berries (raspberry), berries (strawberry), cassava, cheese, food (baby), fruit products, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (pear), fruits (plum), jam, jam (apple), juice, juice (apple), juice (apple-acerola), juice (apple, concentrate), juice (cherry), juice (currant), juice (fruit), juice (grape), juice (orange), juice (peach), juice (pear), must, pulp (plum), syrup (apple), vinegar

Apple flavor may contain the following mycotoxins:

PATULIN

incidence: 3/14, conc.: 6–1770 µg/kg, Ø conc.: 607 µg/kg, country: Finland⁷⁰⁰

see also apple cider, apples (stewed fruit), berries (blueberry), berries (lingonberry), berries (mulberry), berries (raspberry), berries (strawberry), cassava, cheese, food (baby), fruit products, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (pear), fruits (plum), jam, jam (apple), juice, juice (apple), juice (apple-acerola), juice (apple, concentrate), juice (cherry), juice (currant), juice (fruit), juice (grape), juice (orange), juice (peach), juice (pear), must, pulp (plum), syrup (apple), vinegar

Apple jam

see Jam (apple)

Apple juice

see Juice (apple)

Apple juice concentrate

see Juice (apple, concentrate)

Apple syrup

see Syrup (apple)

Apple-acerola juice

see Juice (apple-acerola)

Apples

see Fruits (apple)

Apples (stewed fruit) may contain the following mycotoxins:

PATULIN

incidence: 1/16, conc.: 2.6 µg/kg, country: Germany⁶⁹⁵

incidence: 16/21*, conc. range: 100–150 µg/kg, Ø conc.: 120 µg/kg, country: France⁸⁵³, *industrial

see also apple cider, apple flavor, berries (blueberry), berries (lingonberry), berries (mulberry), berries (raspberry), berries (strawberry), cassava, cheese, food (baby), fruit products, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (pear), fruits (plum), jam, jam (apple), juice, juice (apple), juice (apple-acerola), juice (apple, concentrate), juice (cherry), juice (currant), juice (fruit), juice (grape), juice (orange), juice (peach), juice (pear), must, pulp (plum), syrup (apple), vinegar

Apricots

see Fruits (apricot)

Areca nut may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 10/10* **, conc. range: 2.1–10.2 µg/kg, country: South Africa¹⁸, *imported, **sliced raw

incidence: 2/20* **, conc. range: ≤0.1 µg/kg, country: South Africa¹⁸, *imported, **boiled

see also acha, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas,

dates, drink, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruit products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 10/10* **, conc. range: 0.2–1.3 µg/kg, country: South Africa¹⁸, *imported, **sliced raw

see also acha, beans, beer, betel nut, bondakaledkai, buckwheat, cereals

(breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 10/10* **, conc. range: 0.2–16.6 µg/kg, country: South Africa¹⁸, *imported, **sliced raw

see also beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices

(garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXIN G₂

incidence: 10/10* **, conc. range:

0.1–1.8 µg/kg, country: South Africa¹⁸,

*imported, **sliced raw

see also beans, betel nut, buckwheat, cereals (breakfast), cocoa, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, maize, maize dough, milk (human breast), nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), paste (soybean), popcorn, raisins, rice, sesame seeds, shoyu, soybeans, spices (cardamom), spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine

Arepas may contain the following mycotoxins:

FUMONISIN B₁

incidence: 2/6, conc. range: 44–61 µg/kg,

Ø conc.: 53 µg/kg, country: Colombia⁶⁷²

see also asparagus, barley,

batter, beans, beer, bran (maize), bread, cake (rice), cereals, cereals (breakfast), chamomile, chips (maize), chips (tortilla), flakes (corn), flour (maize), food, food (baby), foodstuff, grits (maize), Incaparina, leaves, maize, maize fiber, maize muffin, maize products, maize silk, maize starch, masa, meal (maize), meal (sorghum), milk, muffin mix, nuts (peanut), pancake, popcorn, rapoko, rice, snacks, sorghum, soybeans, syrup (sorghum), tea, tortillas, wheat

FUMONISIN B₂

incidence: 3/6, conc. range: 39–93 µg / kg,

Ø conc.: 60 µg/kg, country: Colombia⁶⁷²

see also asparagus, barley, batter, beer, bran (maize), cereals, cereals (breakfast), chips (maize), chips (tortilla), flakes (corn), flour (maize), food (baby), foodstuff, grits (maize), Incaparina, maize, maize fiber, maize starch, masa, meal (maize), muffin mix, pancake, popcorn, rice, snacks, tortillas, wheat

Asparagus may contain the following mycotoxins:

FUMONISIN B₁

incidence: 2/25, conc. range: 460 µg*/kg, 7400

µg**/kg, country: Italy³⁷⁶, *stem, **crown

see also arepas, barley,

batter, beans, beer, bran (maize), bread, cake (rice), cereals, cereals (breakfast), chamomile, chips (maize), chips (tortilla), flakes (corn), flour (maize), food, food (baby), foodstuff, grits (maize), Incaparina, leaves, maize, maize fiber, maize muffin, maize products, maize silk, maize starch, masa, meal (maize), meal (sorghum), milk, muffin mix, nuts (peanut), pancake, popcorn, rapoko, rice, snacks, sorghum, soybeans, syrup (sorghum), tea, tortillas, wheat

FUMONISIN B₂

incidence: 2/25, conc. range: 60 µg*/kg,

830 µg**/kg, country: Italy³⁷⁶, *stem, **crown

see also arepas, barley, batter, beer, bran

(maize), cereals, cereals (breakfast), chips (maize), chips (tortilla), flakes (corn), flour (maize), food (baby), foodstuff, grits (maize), Incaparina, maize, maize fiber, maize starch, masa, meal (maize), muffin mix, pancake, popcorn, rice, snacks, tortillas, wheat

Baby cereal

see Cereal (baby)

Baby food

see Food (baby)

Bacon may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 2*/10, conc. range: 1000–5000

µg/kg, Ø conc.: 3000 µg/kg, country:

Germany⁶⁷, *moldy

see also acha, areca nut, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drink, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruit products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

Balsamico

see Vinegar

Barley may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 10/64*, conc. range: ≤ 8 µg/kg,

country: USSR¹⁹¹, *imported

incidence: 17/130, conc. range: ≤ 2.5 µg/kg,

country: USSR¹⁹¹

incidence: 3/376*, conc. range: ≤ 2000 µg/kg,

country: UK⁷⁶¹, *ncac

see also acha, areca nut, bacon, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drink, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruit products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas,

poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFATOXIN

incidence: 13/37, conc. range: 1–5 µg/kg (9 sa), 5–20 µg/kg (3 sa), 31 µg/kg (1 sa), country: Czechoslovakia⁵⁵

see also beer, bran (rice), flour (maize), injera, jars, kocho, maize, maize roti, malt (barley), malt (maize), nuts (peanut), nuts (peanut butter), nuts (pistachio), oil (peanut), paste (pepper, red), rice, spices (pepper)

AFATOXINS (B₁, B₂, G₁, G₂)

incidence: 13?/137*, conc. range: 2–20 µg/kg (7 sa), >20 µg/kg (3 sa), country: Uruguay⁷⁸⁷, *and malt

see also beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (fig), peas, phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

ALTENUENE

incidence: 1/10, conc.: 700 µg/kg, country: Egypt²⁹¹

see also fruits (apple), maize, olives, ragi, rice, sorghum, tomatoes, wheat

ALTERNARIOL METHYL ETHER

incidence: 4/10, conc. range: ≤300 µg/kg, country: Egypt²⁹¹

see also bran, fruits (apple), fruits (mandarin fruit), fruits (melon), juice (apple, concentrate), olives, ragi, sorghum, spices (pepper), sunflower seeds, tomatoes, wheat

BEAUVERICIN

incidence: 22/22*, conc. range: tr–19 µg/kg, country: Finland⁴⁵⁹, *ncac

see also maize, oats, wheat

CITRININ

incidence: 15/27, conc. range: 53.2–100

µg/kg, Ø conc.: 64.4 µg/kg, country: Egypt⁷²¹

incidence: 4/269*, conc. range: 30–480 µg/kg,

Ø conc.: 183 µg/kg, country: Sweden⁷⁷¹, *ncac

incidence: 4/4* **, conc. range: tr–1600

µg/kg, country: UK⁸⁰⁷, *moldy, **ncac

incidence: 1/1*, conc.: 71 µg/kg, country:

UK⁸⁰⁸, *ncac

see also angkak (red mold rice), cereals, cheese, food, food colorant, fruits (apple), maize, maize dough, meal (copra), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), oil seed rape, olives, rice, spices, spices (cardamom), spices (coriander), spices (cumin), spices (fennel), spices (pepper), spices (turmeric), wheat

DEOXYNIVALENOL

incidence: 12/29*, conc. range: ≤163 µg/kg, Ø

conc.: 49 µg/kg, country: Lithuania²⁰³, *ncac

incidence: 5/7, conc. range: 5–100 µg/kg

(5 sa), country: Finland²¹⁹

incidence: 28/40*, conc. range: 5–857 µg/kg,

Ø conc.: 79.3 µg/kg, country: Sweden²³⁸,

*ncac

incidence: 1/1, conc.: 56 µg/kg, country:

Germany²⁴⁴

incidence: 8/93*, conc. range: 1470–4000

µg/kg, Ø conc.: 2552.9 µg/kg, country: Saudi

Arabia³²⁵, *ncac

incidence: 2/2, conc. range: 132–3521 µg/kg, Ø conc.: 1826.5 µg/kg, country: China³⁴²
 incidence: 117/117, conc. range: 30–15,790 µg/kg, country: Canada⁴²³, *ncac
 incidence: 27/30, conc. range: 10–202 µg/kg, Ø conc.: 78 µg/kg, country: Finland⁴⁵⁵
 incidence: 3/3*, conc. range: 27–46 µg/kg, Ø conc.: 38 µg/kg, country: Finland⁴⁵⁵, *from Canada, Sweden
 incidence: 19/25*, conc. range: tr–40,400 µg/kg, country: Japan⁴⁶¹, *ncac
 incidence: 35/39, conc. range: 25–1051 µg/kg, Ø conc.: 170 µg/kg, country: Korea⁴⁶²
 incidence: 799/1095*, conc. range: 30–11,740 µg/kg, country: Norway⁴⁶⁴, *ncac
 incidence: 11/11*, conc. range: <30–4500 µg/kg, country: Norway⁴⁶⁵, *ncac
 incidence: 17/102, conc. range: >20–1440 µg/kg, Ø conc.: 155 µg/kg, country: Norway⁴⁶⁶
 incidence: 26/28*, conc. range: 4–508 µg/kg, Ø conc.: 126 µg/kg, country: Korea⁴⁶⁹, *ncac
 incidence: 5/6*, conc. range: 11–34 µg/kg, Ø conc.: 25.4 µg/kg, country: Korea⁴⁶⁹, *for food and feed
 incidence: 31/31*, conc. range: 12–901 µg/kg, Ø conc.: 124 µg/kg, country: Korea⁴⁷⁰, *ncac
 incidence: 5/6**, conc. range: 3–65 µg/kg, country: Korea⁴⁷⁰, *husked, **ncac
 incidence: 12/20***, conc. range: tr–30 µg/kg, country: The Netherlands⁵⁰⁰, *and from Denmark, France, unknown, **ncac
 incidence: 35/57**, conc. range: 8–495 µg/kg, Ø conc.: 92.2 µg/kg, country: Korea⁵⁰⁷, *husked and naked, **ncac
 incidence: 33/37*, conc. range: 29–677 µg/kg, Ø conc.: 220.1 µg/kg, country: Korea⁵⁰⁸, *husked and naked
 incidence: 3/11, conc. range: 168–506 µg/kg, Ø conc.: 297 µg/kg, country: Korea⁵⁰⁹
 incidence: 20/30*, conc. range: 5–361 µg/kg, Ø conc.: 106 µg/kg, country: Korea⁵¹⁴, *ncac
 incidence: 16/90, conc. range: 7–1670 µg/kg, country: Canada⁵²¹, *ncac
 incidence: 34/49*, conc. range: 6–2139 µg/kg, Ø conc.: 165.6 µg/kg, country: Norway⁵²⁹, *ncac
 incidence: 104/139*, Ø conc.: 149 µg/kg, country: Japan⁵³⁰, *ncac

incidence: 10/14* **, conc. range: 3–50 µg/kg, Ø conc.: 18 µg/kg, country: Japan⁵³¹, *polished pressed, **and unknown origin
 incidence: 1/1* **, conc.: 48 µg/kg, country: Japan⁵³¹, *pearled, **unknown origin
 incidence: 13/16* ***, conc. range: 11–350 µg/kg, Ø conc.: 97.6 µg/kg, country: Japan⁵³², *and Canada, **included naked, pressed, ***ncac
 incidence: 5/8* **, conc. range: 10–81 µg/kg, Ø conc.: 26.1 µg/kg, country: Japan⁵³³, *from Scotland, **ncac
 incidence: 5/6* **, conc. range: 4–152 µg/kg, Ø conc.: 58 µg/kg, country: Japan⁵³⁶, *from The Netherlands, **ncac
 incidence: 18/20* **, Ø conc.: 237 µg/kg, country: Japan⁵³⁸, *from Argentina, **ncac
 incidence: 2/13* **, Ø conc.: 190 µg/kg, country: Japan⁵³⁸, *from Germany, **ncac
 incidence: 2/5* **, Ø conc.: 195 µg/kg, country: Japan⁵³⁸, *from Italy, **ncac
 incidence: 2/3* **, Ø conc.: 19 µg/kg, country: Japan⁵³⁸, *from Yemen, **ncac
 incidence: 108/147*, conc. range: ≤25,800 µg/kg, country: USA⁵⁴⁴, *and malting barley
 incidence: 1/6*, conc.: 390 µg/kg, country: Poland⁵⁴⁸, *ncac
 incidence: 7/7* **, conc. range: 0.26–24 µg/kg, Ø conc.: 13.8 µg/kg, country: Germany⁵⁵¹, *from Canada, **ncac
 incidence: 6/7* **, conc. range: 34–440 µg/kg, Ø conc.: 137 µg/kg, country: Germany⁵⁶², *and unknown origin, **o
 incidence: 1/1* **, conc.: 46 µg/kg, country: Germany⁵⁶², *unknown origin, **c
 incidence: 71/94*, conc. range: 5–3780 µg/kg, country: Japan⁵⁷¹, *ncac
 incidence: 17/17*, conc. range: 29–70,500 µg/kg, Ø conc.: 9834 µg/kg, country: Japan⁵⁷³, *ncac
 incidence: 8/17*, conc. range: 20–230 µg/kg, Ø conc.: 112 µg/kg, country: Japan⁶¹⁰, *ncac
 incidence: 2/8, conc. range: 5–50 µg/kg (2 sa), country: Finland⁷⁶⁵
 incidence: 4/5*, conc. range: ≤73 µg/kg, country: France⁷⁷⁶, *cg
 incidence: 3/5*, conc. range: ≤209 µg/kg, country: France⁷⁷⁶, *og

incidence: 53/124*, conc. range: 80–500 µg/kg (36 sa), 500–1000 µg/kg (6 sa), >1000 µg/kg (11 sa), country: Uruguay⁷⁸⁷, *and malt
 see also acha, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

3-ACETYLDEOXYNIVALENOL

incidence: 24/117, conc. range: ≤350 µg/kg, country: Canada⁴²⁵, *ncac
 incidence: 10/30, conc. range: 24–96 µg/kg, Ø conc.: 46 µg/kg, country: Finland⁴⁵⁵
 incidence: 7/39, conc. range: 13–168 µg/kg, Ø conc.: 65 µg/kg, country: Korea⁴⁶²
 incidence: 1/30*, conc.: 7 µg/kg, country: Korea⁵¹⁴, *ncac
 incidence: 5/7* **, conc. range: 1.3–5.3 µg/kg, Ø conc.: 2.8 µg/kg, country: Germany⁵⁵¹, *from Canada, **ncac
 incidence: 15/17*, conc. range: 10–18,700 µg/kg, Ø conc.: 2190 µg/kg, country: Japan⁵⁷³, *ncac
 see also bread, cereals, cereals (breakfast), flakes (oat), flour (maize), flour (wheat), food, food (baby), grits (maize), maize, oat products, oats, rice, rye, snacks, wheat

15-ACETYLDEOXYNIVALENOL

incidence: 63/117, conc. range: ≤1240 µg/kg, country: Canada⁴²⁵, *ncac
 incidence: 5/7* **, conc. range: 0.4–2.4 µg/kg, Ø conc.: 1.3 µg/kg, country: Germany⁵⁵¹, *from Canada, **ncac
 incidence: 2/17*, conc. range: 96–522 µg/kg, Ø conc.: 309 µg/kg, country: Japan⁵⁷³, *ncac

see also bran (oat), bran (wheat), cereals (breakfast), flour (maize), flour (wheat), food, grits (maize), maize, noodles, oat products, oats, snacks, wheat

3,15-DIACETYLDEOXYNIVALENOL

incidence: 25/117, conc. range: ≤400 µg/kg, country: Canada⁴²⁵, *ncac
 incidence: 6/7* **, conc. range: tr–0.4 µg/kg, country: Germany⁵⁵¹, *from Canada, **ncac

ENNIATIN A

incidence: 21/22*, conc. range: tr–950 µg/kg, country: Finland⁴⁵⁹, *ncac
 see also wheat

ENNIATIN A₁

incidence: 22/22*, conc. range: tr–2000 µg/kg, country: Finland⁴⁵⁹, *ncac
 see also oats, rye, wheat

ENNIATIN B

incidence: 22/22*, conc. range: 44–9760 µg/kg, Ø conc.: 1621.8 µg/kg, country: Finland⁴⁵⁹, *ncac
 see also oats, rye, wheat

ENNIATIN B₁

incidence: 22/22*, conc. range: tr–5720 µg/kg, country: Finland⁴⁵⁹, *ncac
 see also oats, rye, wheat

FUMONISIN B₁

incidence: 21/29*, conc. range: 200–11,600 µg/kg, Ø conc.: 1900 µg/kg, country: Spain³⁵⁵, *ncac
 see also arepas, asparagus, batter, beans, beer, bran (maize), bread, cake (rice), cereals, cereals (breakfast), chamomile, chips (maize), chips (tortilla), flakes (corn), flour (maize), food, food (baby), foodstuff, grits (maize), Incaparina, leaves, maize, maize fiber, maize muffin, maize products, maize silk, maize starch, masa, meal (maize), meal (sorghum), milk, muffin mix, nuts (peanut), pancake, popcorn, rapoko, rice, snacks, sorghum, soybeans, syrup (sorghum), tea, tortillas, wheat

FUMONISIN B₂

incidence: 1/29*, conc.: 500 µg/kg, country: Spain³⁵⁵, *ncac

see also arepas, asparagus, batter, beer, bran (maize), cereals, cereals (breakfast), chips (maize), chips (tortilla), flakes (corn), flour (maize), food (baby), foodstuff, grits (maize), Incaparina, maize, maize fiber, maize starch, masa, meal (maize), muffin mix, pancake, popcorn, rice, snacks, tortillas, wheat

HT-2 TOXIN

incidence: 10/29*, conc. range: ≤88 µg/kg, Ø conc.: 41 µg/kg, country: Lithuania²⁰³, *ncac

incidence: 3/7, conc. range: 10–100 µg/kg (3 sa), country: Finland²¹⁹

incidence: 22/102, conc. range: >20–440 µg/kg, Ø conc.: 73 µg/kg, country: Norway⁴⁶⁶

incidence: 5/24* **, conc. range: 210–370 µg/kg, Ø conc.: 230 µg/kg, country: Poland⁵¹¹, *spring, **ncac

incidence: 1/8, conc.: 10–20 µg/kg (3 sa), country: Finland⁷⁶⁵

incidence: 2/5*, conc. range: ≤183 µg/kg, country: France⁷⁷⁶, *og

see also bran (oat), bran (wheat), bread, cereal (baby), cereals, cereals (breakfast), flakes (oat), flour (maize), flour (wheat), food, food (baby), germ (wheat), grits (maize), groats (oat), maize, noodles, nuts (hazelnut), oat products, oats, products, pumpkin seeds, rye, spices (chilli powder), spices (curry), sunflower seeds, wheat

MONILIFORMIN

incidence: 11/14* **, conc. range: <20–290 µg/kg, country: Finland⁴⁵⁸, *spring, **ncac

incidence: 17/22*, conc. range: tr–750 µg/kg, country: Finland⁴⁵⁹, *ncac

incidence: 19/75*, conc. range: tr–380 µg/kg, country: Norway⁵⁵⁰, *ncac

see also corn on the cob, flakes (corn), flour (maize), foodstuff, grits (maize), maize, maize-based thickeners, meal (maize), oats, popcorn, rye, snacks, triticale, wheat

NIVALENOL

incidence: 18/29*, conc. range: ≤571 µg/kg, Ø conc.: 101 µg/kg, country: Lithuania²⁰³, *ncac

incidence: 1/93*, conc.: 3.1 µg/kg, country: Saudi Arabia³²⁵, *ncac

incidence: 1/2, conc.: 186 µg/kg, country: China³⁴²

incidence: 5/17*, conc. range: 90–640 µg/kg, country: Japan⁴⁴⁸, *ncac

incidence: 4/30, conc. range: 38–59 µg/kg, Ø conc.: 46 µg/kg, country: Finland⁴⁵⁵

incidence: 19/25*, conc. range: tr–36,900 µg/kg, country: Japan⁴⁶¹, *ncac

incidence: 37/39, conc. range: 39–6892 µg/kg, Ø conc.: 1011 µg/kg, country: Korea⁴⁶²

incidence: 6/102, conc. range: >20–50 µg/kg, Ø conc.: 30 µg/kg, country: Norway⁴⁶⁶

incidence: 28/28*, conc. range: 17–3002 µg/kg, Ø conc.: 546 µg/kg, country: Korea⁴⁶⁹, *ncac

incidence: 5/6*, conc. range: 85–328 µg/kg, Ø conc.: 155.6 µg/kg, country: Korea⁴⁶⁹, *for food and feed

incidence: 31/31*, conc. range: 180–1145 µg/kg, Ø conc.: 489 µg/kg, country: Korea⁴⁷⁰, *ncac

incidence: 6/6* **, conc. range: 39–228 µg/kg, Ø conc.: 112 µg/kg, country: Korea⁴⁷⁰, *husked, **ncac

incidence: 46/57* **, conc. range: 3–1109 µg/kg, Ø conc.: 231 µg/kg, country: Korea⁵⁰⁷, *husked and naked, **ncac

incidence: 37/37*, conc. range: 85–4569 µg/kg, Ø conc.: 1010 µg/kg, country: Korea⁵⁰⁸, *husked and naked

incidence: 2/11, conc. range: 189–324 µg/kg, Ø conc.: 257 µg/kg, country: Korea⁵⁰⁹

incidence: 28/30*, conc. range: 40–2038 µg/kg, Ø conc.: 390 µg/kg, country: Korea⁵¹⁴, *ncac

incidence: 13/96*, conc. range: 110–920 µg/kg, country: Canada⁵²¹, *ncac

incidence: 49/49*, conc. range: 13–258 µg/kg, Ø conc.: 50.1 µg/kg, country: Norway⁵²⁹, *ncac

incidence: 106/139*, Ø conc.: 401 µg/kg, country: Japan⁵³⁰, *ncac

incidence: 13/14* **, conc. range: 8–380 µg/kg, Ø conc.: 67 µg/kg, country: Japan⁵³¹, *polished pressed, **and unknown origin

incidence: 1/1* **, conc.: 220 µg/kg, country: Japan⁵³¹, *pearled, **unknown origin

incidence: 13/16* ** ***, conc. range: 16–1670 µg/kg, Ø conc.: 837 µg/kg, country: Japan⁵³², *and Canada, **included naked, pressed, ***ncac
 incidence: 3/8* **, conc. range: 7–1140 µg/kg, Ø conc.: 391 µg/kg, country: Japan⁵³³, *from Scotland, **ncac
 incidence: 4/6* **, conc. range: 30–145 µg/kg, Ø conc.: 85 µg/kg, country: Japan⁵³⁶, *from The Netherlands, **ncac
 incidence: 15/20* **, Ø conc.: 25 µg/kg, country: Japan⁵³⁸, *from Argentina, **ncac
 incidence: 1/13* **, conc.: 44 µg/kg, country: Japan⁵³⁸, *from Germany, **ncac
 incidence: 1/5* **, conc.: 23 µg/kg, country: Japan⁵³⁸, *from Italy, **ncac
 incidence: 1/4* **, conc.: 21 µg/kg, country: Japan⁵³⁸, *from Nepal, **ncac
 incidence: 2/3* **, Ø conc.: 13 µg/kg, country: Japan⁵³⁸, *from Yemen, **ncac
 incidence: 3/6*, conc. range: 56–91 µg/kg, Ø conc.: 78.3 µg/kg, country: Poland⁵⁴⁸, *ncac
 incidence: 78/94*, conc. range: 15–3900 µg/kg, country: Japan⁵⁷¹, *ncac
 incidence: 17/17*, conc. range: 116–26,000 µg/kg, Ø conc.: 4991 µg/kg, country: Japan⁵⁷³, *ncac
 incidence: 14/17*, conc. range: 30–1070 µg/kg, Ø conc.: 231 µg/kg, country: Japan⁶¹⁰, *ncac
 incidence: 3/8, conc. range: 10–20 µg/kg (3 sa), country: Finland⁷⁶⁵
 incidence: 1/5*, conc.: 57 µg/kg, country: France⁷⁷⁶, *cg
 incidence: 4/5*, conc. range: ≤301 µg/kg, country: France⁷⁷⁶, *og
 see also beer, biscuits, bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, germ (wheat), grits (maize), grits (wheat), Job's-tears, maize, malt (barley), meal (millet), millet, noodles, oat products, oats, rice, rye, snacks, sorghum, soybeans, spices (chilli sauce), spices (curry), spices (curry paste), spices (curry powder), spices (garlic), spices (ginger), spices (tandoori), wheat

4-ACETYLNIVALENOL

incidence: 17/39, conc. range: 12–71 µg/kg, Ø conc.: 25 µg/kg, country: Korea⁴⁶²
 incidence: 13/17*, conc. range: tr–2470 µg/kg, country: Japan⁵⁷³, *ncac
 see also maize, wheat

4,15-DIACETYLNIVALENOL

incidence: 5/39, conc. range: 15–28 µg/kg, Ø conc.: 22 µg/kg, country: Korea⁴⁶²
 see also maize

OCHRATOXIN A

incidence: 21/40*, conc. range: 3–934 µg/kg, Ø conc.: 113 µg/kg, country: Sweden²³⁸, *ncac
 incidence: 10/68*, conc. range: 0.1–206 µg/kg, Ø conc.: 58.8 µg/kg, country: Germany⁵⁷⁷, *ncac
 incidence: 5/5*, conc. range: 300–1670 µg/kg, Ø conc.: 994 µg/kg, country: Poland⁵⁸⁵, *ncac
 incidence: 5/5* **, conc. range: 50–654 µg/kg, country: Poland⁵⁸⁵, *pearled, **ncac
 incidence: 1/26* **, conc.: 0.3 µg/kg, country: Poland⁵⁸⁷, *c, **ncac
 incidence: 3/40* **, conc. range: 6.7–57 µg/kg, Ø conc.: 25.7 µg/kg, country: Poland⁵⁸⁷, *o, **ncac
 incidence: 2/36* **, conc. range: 1.2–9.7 µg/kg, Ø conc.: 5.5 µg/kg, country: Poland⁵⁸⁸, *c, **ncac
 incidence: 2/17* **, conc. range: 1.4–35.3 µg/kg, Ø conc.: 18.4 µg/kg, country: Poland⁵⁸⁸, *o, **ncac
 incidence: 17/25*, conc. range: 1–5 µg/kg (7 sa), 5–20 µg/kg (8 sa), >20 µg/kg (2 sa), country: Czechoslovakia⁵⁹⁵, *ncac
 incidence: 9/89* **, conc. range: 0.02–0.15 µg/kg, country: Germany⁵⁹⁶, *malting, **after harvest
 incidence: 7/99* **, conc. range: 0.02–0.91 µg/kg, country: Germany⁵⁹⁶, *malting, **after storage
 incidence: 5/22, conc. range: 0.6–0.9 µg/kg, Ø conc.: 0.8 µg/kg, country: Korea⁵⁹⁹
 incidence: 26/29, conc. range: 0.53–12 µg/kg, country: Turkey⁶⁰⁸
 incidence: 3/43* **, conc. range: 15.8–24.3 µg/kg, Ø conc.: 20.2 µg/kg, country: Denmark⁶²², *and oats, **ncac

incidence: 1/23, conc.: 5 µg/kg, country: Yugoslavia⁶²⁹

incidence: 21/21*, conc. range: 0.1–8652 µg/kg, country: Tunisia⁶³⁴, *and derived food
incidence: 9/52*, conc. range: 1–5 µg/kg (7 sa), >10 µg/kg (2 sa, with a maximum of 45 µg/kg), country: UK⁶³⁶, *and from different countries?

incidence: 12/47*, conc. range: ≤9.2 µg/kg, Ø conc.: 0.4 µg/kg, country: UK⁶³⁷, *used for malting

incidence: 11/103, conc. range: 0.03–0.2 µg/kg (4 sa), 0.3–0.8 µg/kg (3 sa), 1.5–3.5 µg/kg (3 sa), 17 µg/kg (1 sa), Ø conc.: 2.5 µg/kg, country: USA⁶⁸⁵

incidence: 19/22, conc. range: ≤0.495 µg/kg, Ø conc.: 0.07 µg/kg, country: Germany⁶⁹⁰

incidence: 4/27, conc. range: 19.4–27 µg/kg, country: Egypt⁷²¹

incidence: 17/200* **, conc. range: 1–5 µg/kg (14 sa), 5–10 µg/kg (1 sa), >10 µg/kg (2 sa, with a maximum of 33 µg/kg), country:

UK⁷³³, *at harvest and stored, **ncac

incidence: 7/153*, conc. range: ≤6.4 µg/kg, country: UK⁷⁴², *ncac

incidence: 51/376*, conc. range: ≤5000 µg/kg, country: UK⁷⁶¹, *ncac

incidence: 17/269*, conc. range: tr–20 µg/kg, country: Sweden⁷⁷¹, *ncac

incidence: 4/4* **, conc. range: 75–11,000 µg/kg, Ø conc.: 3038 µg/kg, country: UK⁸⁰⁷, *moldy, **ncac

incidence: 1/1*, conc.: 68 µg/kg, country: UK⁸⁰⁸, *ncac

incidence: 11/20, conc. range: ≤0.8 µg/kg, Ø conc.: 0.17 µg/kg, country: Morocco⁸⁶⁶

see also beans, beef, beer, berries

(strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat),

flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquorice, liquorice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpnickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

OCHRATOXIN B

incidence: 7/89* **, conc. range: 0.03–0.05 µg/kg, country: Germany⁵⁹⁶, *malting, **after harvest

incidence: 4/99* **, conc. range: 0.03–0.64 µg/kg, country: Germany⁵⁹⁶, *malting, **after storage

incidence: 11/41*, conc. range: 0.05–4.9 µg/kg (8 sa), 5–25 µg/kg (3 sa, with a maximum of 14 µg/kg), Ø conc.: 0.9 µg/kg**, country: Denmark⁶²⁵, *cg, **arithmetic mean
incidence: 6/20*, conc. range: 0.05–4.9 µg/kg (4 sa), 5–25 µg/kg (2 sa, with a maximum of 13 µg/kg), Ø conc.: 1 µg/kg**, country: Denmark⁶²⁵, *eg, **arithmetic mean
see also bread, malt (barley),

STERIGMATOCYSTIN

incidence: 2/4* **, conc. range: tr, country: UK⁸⁰⁷, *moldy, **ncac
see also cassava, cheese, coffee, maize, nuts (almond), nuts (pecan), nuts (pistachio), oil seed rape, rice, spices, spices (fennel), spices (pepper), wheat

T-2 TOXIN

incidence: 4/29*, conc. range: ≤76 µg/kg, Ø conc.: 40 µg/kg, country: Lithuania²⁰³, *ncac
incidence: 5/102, conc. range: >20–220 µg/kg, Ø conc.: 85 µg/kg, country: Norway⁴⁶⁶
incidence: 12/24* **, conc. range: 20–2400 µg/kg, Ø conc.: 450 µg/kg, country: Poland⁵¹¹, *spring, **ncac
incidence: 2/49*, conc. range: 22–46 µg/kg, Ø conc.: 34 µg/kg, country: Norway⁵²⁹, *ncac
see also beans, beer, bran (oat), bran (wheat), bread, cereals, cereals (breakfast), flakes (oat), flour, flour (maize), flour (wheat), food, grits (maize), maize, nuts (hazelnut), nuts (peanut), oat products, oats, rice, rye, sorghum, spices (curry), spices (ginger), spices (tandoori), sunflower seeds, wheat

T-2 TETRAOL

incidence: 2/24*, conc. range: 10–210 µg/kg, Ø conc.: 110 µg/kg, country: Poland⁵¹¹, *spring, **ncac
see also bran (wheat), maize, soybeans, wheat

VIOMELLEIN

incidence: 3/4* **, conc. range: tr–600 µg/kg, country: UK⁸⁰⁷, *moldy, **ncac
see also oil seed rape, wheat

VOIXANTHIN

incidence: 3/4* **, conc. range: 10–90 µg/kg, Ø conc.: 40 µg/kg, country: UK⁸⁰⁷, *moldy, **ncac
see also oil seed rape, wheat

XANTHOMEGNIN

incidence: 3/4* **, conc. range: tr–450 µg/kg, country: UK⁸⁰⁷, *moldy, **ncac
see also oil seed rape, wheat

ZEARALENONE

incidence: 1/7, conc. range: 2–8 µg/kg (1 sa), country: Finland²¹⁹
incidence: 2/2, conc. range: 210–1242 µg/kg, Ø conc.: 726 µg/kg, country: China³⁴²
incidence: 2/30, conc. range: 21–30 µg/kg, Ø conc.: 26 µg/kg, country: Finland⁴⁵⁵
incidence: 20/39, conc. range: 40–1416 µg/kg, Ø conc.: 287 µg/kg, country: Korea⁴⁶²
incidence: 15/85*, conc. range: <10–170 µg/kg, country: New Zealand⁴⁶⁸, *ncac
incidence: 21/28*, conc. range: 3–1581 µg/kg, Ø conc.: 147 µg/kg, country: Korea⁴⁶⁹, *ncac
incidence: 29/31*, conc. range: 1–388 µg/kg, Ø conc.: 25.7 µg/kg, country: Korea⁴⁷⁰, *ncac
incidence: 3/6* **, conc. range: 1–2 µg/kg, country: Korea⁴⁷⁰, *husked, **ncac
incidence: 10/30*, conc. range: 14–171 µg/kg, Ø conc.: 36 µg/kg, country: Korea⁵⁰⁶, *ncac
incidence: 18/57* **, conc. range: 27–1132 µg/kg, Ø conc.: 205 µg/kg, country: Korea⁵⁰⁷, *husked and naked, **ncac
incidence: 10/37*, conc. range: 40–1416 µg/kg, Ø conc.: 403 µg/kg, country: Korea⁵⁰⁸, *husked and naked
incidence: 3/210*, conc. range: 4–21 µg/kg, country: Canada⁵²¹, *ncac
incidence: 17/49*, conc. range: 1–5 µg/kg, Ø conc.: 2.6 µg/kg, country: Norway⁵²⁹, *ncac
incidence: 101/139*, Ø conc.: 35 µg/kg, country: Japan⁵³⁰, *ncac
incidence: 1/3* **, conc.: 6 µg/kg, country: Japan⁵³¹, *polished pressed, **and unknown origin
incidence: 1/1* **, conc.: 4 µg/kg, country: Japan⁵³¹, *pearled, **unknown origin
incidence: 8/8* **, conc. range: 2–33 µg/kg, Ø conc.: 10 µg/kg, country: Japan⁵³³, *from Scotland, **ncac
incidence: 13/18*, conc. range: 2–97 µg/kg, Ø conc.: 23.9 µg/kg, country: Japan⁵³⁵, *ncac
incidence: 6/6* **, conc. range: 4–9 µg/kg, Ø conc.: 7 µg/kg, country: Japan⁵³⁶, *from The Netherlands, **ncac

incidence: 13/20* **, Ø conc.: 5 µg/kg,
country: Japan⁵³⁸, *from Argentina, **ncac
incidence: 5/13* **, Ø conc.: 8.2 µg/kg,
country: Japan⁵³⁸, *from Germany, **ncac
incidence: 1/5* **, conc.: 56 µg/kg, country:
Japan⁵³⁸, *from Italy, **ncac
incidence: 4/4* **, Ø conc.: 18 µg/kg,
country: Japan⁵³⁸, *from Nepal, **ncac
incidence: 3/3* **, Ø conc.: 43 µg/kg, country:
Japan⁵³⁸, *from Yemen, **ncac
incidence: 5/7* **, conc. range: 0.024–0.45
µg/kg, Ø conc.: 0.1662 µg/kg, country:
Germany⁵⁵¹, *from Canada, **ncac
incidence: 2/7* **, conc. range: 5.1–5.5 µg/kg,
Ø conc.: 5.3 µg/kg, country: Germany⁵⁶²,
*and unknown origin, **o
incidence: 10/17*, conc. range: 105–15,300
µg/kg, Ø conc.: 2910 µg/kg, country:
Japan⁵⁷³, *ncac
incidence: 2/5*, conc. range: ≤3.4 µg/kg,
country: France⁷⁷⁶, *cg
incidence: 20/137*, conc. range: 100–200
µg/kg (12 sa), >200 µg/kg (8 sa), country:
Uruguay⁷⁸⁷, *and malt
see also acha, amaranth, beans, beefburger,
beer, biscuits, bran (oat), bran (wheat),
bread, cake/muffin mixes, cereal (baby),
cereals, cereals (breakfast), cheese, crackers,
flakes (corn), flour, flour (barley), flour
(maize), flour (wheat), food, food (infant),
foodstuff, fruits, germ (wheat), grits (maize),
Job's-tears, maize, malt (barley), malt
(maize), meal (barley), meal (maize), meal
(millet), meal (rye), meal (wheat), meat,
meat (luncheon), milk, milk powder, nuts
(almond), nuts (hazelnut), nuts (peanut),
nuts (walnut), oats, oil, oil seeds, pig serum,
popcorn, products, pumpkin seeds, rice, rye,
sausages, sesame seeds, snacks, sorghum,
soybeans, spice powder, spices (chilli), spices
(chilli powder), spices (chilli sauce), spices
(coriander), spices (curry), spices (curry
paste), spices (curry powder), spices (fennel),
spices (garlic pickle), spices (pepper),
sunflower seeds, vegetables, wheat

α-ZEARALENOL

incidence: 1/18*, conc.: 5 µg/kg, country:
Japan⁵³⁵, *ncac

Barley bran

see Bran (barley)

Barley foods

see Food

Barley grits

see Grits (barley)

Barley malt

see Malt (barley)

Batter may contain the following
mycotoxins:

DEOXYNIVALENOL

incidence: 1/16* **, conc.: 500 µg/kg, country:
USA⁴⁷⁸, *from China, **unfermented
incidence: 1/16* **, conc.: 500 µg/kg,
country: USA⁴⁷⁸, *from China, **fermented
see also acha, barley, beans, beer, biscuits,
bran (oat), bran (wheat), bread, cake, cereal
(baby), cereals, cereals (breakfast), chips
(maize), crackers, croissant, figazzas, flakes
(corn), flakes (oat), flakes (wheat), flour,
flour (barley), flour (maize), flour (rye), flour
(wheat), food, food (baby), food (infant),
germ (wheat), grains, grits (barley), grits
(maize), grits (wheat), groats (oat),
Job's-tears, knäckebröd, libritos, maize, malt
(barley), malt (wheat), meal (barley), meal
(maize), meal (millet), meal (rye), meal
(wheat), millet, muesli, noodles, oat
products, oats, pancake, popcorn, rice, rye,
snacks, sorghum, soybeans, spices (chilli
powder), spices (coriander), spices (garlic),
spices (ginger), wheat

FUMONISIN B₁

incidence: 3/16* **, conc. range: 600–5700
µg/kg, Ø conc.: 2400 µg/kg, country: USA⁴⁷⁸,
*from China, **unfermented
incidence: 3/16* **, conc. range: 600–7200
µg/kg, Ø conc.: 2867 µg/kg, country: USA⁴⁷⁸,
*from China, **fermented
see also arepas, asparagus, barley, beans, beer,
bran (maize), bread, cake (rice), cereals,
cereals (breakfast), chamomile, chips (maize),
chips (tortilla), flakes (corn), flour (maize),
food, food (baby), foodstuff, grits (maize),
Incaparina, leaves, maize, maize fiber, maize

muffin, maize products, maize silk, maize starch, masa, meal (maize), meal (sorghum), milk, muffin mix, nuts (peanut), pancake, popcorn, rapoko, rice, snacks, sorghum, soybeans, syrup (sorghum), tea, tortillas, wheat

FUMONISIN B₂

incidence: 2/16* **, conc. range: 500 µg/kg, Ø conc.: 500 µg/kg, country: USA⁴⁷⁸, *from China, **unfermented

see also arepas, asparagus, barley, beer, bran (maize), cereals, cereals (breakfast), chips (maize), chips (tortilla), flakes (corn), flour (maize), food (baby), foodstuff, grits (maize), Incaparina, maize, maize fiber, maize starch, masa, meal (maize), muffin mix, pancake, popcorn, rice, snacks, tortillas, wheat

FUMONISIN B₃

incidence: 1/16* **, conc.: 900 µg/kg, country: USA⁴⁷⁸, *from China, **fermented
see also cereal products, cereals, flour (maize), food (baby), Incaparina, maize, meal (maize), pancake, popcorn, rice, snacks

Bean jam

see Jam (bean)

Beans may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 15/25*, conc. range: tr–2800 µg/kg, country: India²⁹, *mung

incidence: 2/145, conc. range: 1–10 µg/kg (2 sa), country: Cuba⁴⁷

incidence: 1/6*, conc.: 1.7 µg/kg, country: Egypt⁶², **Vicia faba* L.

incidence: 4/293*, conc. range: 4.7–52.3 µg/kg, Ø conc.: 17.9 µg/kg, country: Japan⁹⁹, *for bean jam

incidence: 1/30*, conc.: 125 µg/kg, country: Egypt¹⁴⁴, **Faba*

incidence: 4/381*, conc. range: 1.4–254 µg/kg, country: Japan¹⁸⁴, *for bean jam

incidence: 14/27*, conc. range: 72–1040 µg/kg, country: India³⁹⁸, *mung

incidence: 2/58* **, conc. range: 39–52 µg/kg, Ø conc.: 45.5 µg/kg, country: Brazil⁸¹⁶,

*different varieties, **dried

incidence: 3/40* ** ***, Ø conc.: 230 µg/kg, country: Taiwan⁸²⁵, *and from Canada,

fungal infected, **Phaseolus vulgaris*

see also acha, areca nut, bacon, barley, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drink, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruit products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices

(fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 1/6*, conc.: 1.5 µg/kg, country: Egypt⁶², **Vicia faba* L.

incidence: 4/293*, conc. range: 0.4–1.5 µg/kg, Ø conc.: 0.7 µg/kg, country: Japan⁹⁹, *for bean jam

incidence: 1/30*, conc.: 12.5 µg/kg, country: Egypt¹⁴⁴, **Faba*

incidence: 4/381*, conc. range: 1.2–8.5 µg/kg, country: Japan¹⁸⁴, *for bean jam

incidence: ?/40* ** ***, Ø conc.: 160 µg/kg, country: Taiwan⁸²⁵, *and from Canada,

fungal infected, **Phaseolus vulgaris*

see also acha, areca nut, beer, betel nut,

bondakaledkai, buckwheat, cereals

(breakfast), cheese, chocolate, cocoa,

congressbele, dates, figs, flour, flour (gram),

flour (maize), flour (wheat), food, food

(infant), fruits (lemon), fruits (mango), Ga

Kenkey, grits (maize), gruel, hot dog,

Incaparina, jam (bean), Job's-tears, kubeba,

maize, maize and beans, maize dough, maize

products, marzipan (almond paste), meal

(maize), meal (pistachio), meal (posho),

meat (luncheon), milk (human breast), nuts,

nuts (almond), nuts (brazil), nuts (cashew),

nuts (coconut), nuts (grogannut), nuts

(hazelnut), nuts (peanut), nuts (peanut

butter), nuts (peanut products), nuts

(pistachio), nuts (walnut), oil (olive), oil

(peanut), paste (soybean), popcorn, porridge,

ragi, raisins, rice, sausages, sesame seeds,

sorghum, soybeans, spices, spices (ammi),

spices (cardamom), spices (chilli), spices

(chilli powder), spices (coriander), spices

(cumin), spices (fennel), spices (fenugreek),

spices (garlic), spices (ginger), spices (Indian

cassia), spices (mustard), spices (nutmeg),

spices (paprika), spices (pepper), spices

(pepper, cayenne), spices (turmeric), sugar,

sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 2/58* **, conc. range: 4–8 µg/kg, Ø conc.: 6 µg/kg, country: Brazil⁸¹⁶, *different

varieties, **dried

incidence: ?/40* ** ***, Ø conc.: 20,370 µg/kg,

country: Taiwan⁸²⁵, *and from Canada,

fungal infected, **Phaseolus vulgaris*

see also areca nut, betel nut, buckwheat,

celery seeds, cereals (breakfast), cheese, cocoa,

dates, figs, fish, flour (maize), flour (wheat),

food, fruits (lemon), fruits (mango), Ga

Kenkey, gruel, Incaparina, Job's-tears, juice

(apple), maize, maize dough, maize products,

meat (luncheon), milk (human breast), nut

cocktail, nuts, nuts (almond), nuts (brazil),

nuts (cashew), nuts (coconut), nuts

(grogannut), nuts (hazelnut), nuts (peanut),

nuts (peanut butter), nuts (peanut products),

nuts (pecan), nuts (pine), nuts (pistachio),

nuts (walnut), oil (olive), oil (peanut), paste

(soybean), peas, popcorn, raisins, rice, sesame

seeds, soybeans, spices, spices (ammi), spices

(cardamom), spices (chilli), spices (chilli

powder), spices (coriander), spices (cumin),

spices (fennel), spices (fenugreek), spices

(garlic), spices (ginger), spices (Indian

cassia), spices (mustard), spices (nutmeg),

spices (paprika), spices (pepper), spices

(pepper, cayenne), spices (pinhol),

spices (turmeric), sunflower seeds, wine

AFLATOXIN G₂

incidence: 2/58* **, conc. range: 21–31 µg/kg,

Ø conc.: 26 µg/kg, country: Brazil⁸¹⁶,

*different varieties, **dried

incidence: ?/40* ** ***, Ø conc.: 720 µg/kg,

country: Taiwan⁸²⁵, *and from Canada,

fungal infected, **Phaseolus vulgaris*

see also areca nut, betel nut, buckwheat,

cereals (breakfast), cocoa, figs, fish, flour

(maize), flour (wheat), food, fruits (lemon),

fruits (mango), Ga Kenkey, gruel, maize,

maize dough, milk (human breast), nuts,

nuts (brazil), nuts (cashew), nuts (coconut),

nuts (grogannut), nuts (peanut), nuts

(peanut butter), nuts (peanut products), nuts

(pistachio), nuts (walnut), oil (olive), paste

(soybean), popcorn, raisins, rice, sesame

seeds, shoyu, soybeans, spices (cardamom),

spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 1/17*, conc.: 22 µg/kg, country: Guatemala³³, *black

incidence: 2/5*, conc. range: 6–20 µg/kg (2 sa, with a maximum of 10 µg/kg), country: Guatemala³⁴, *black

incidence: 7/140*, Ø conc.: 16 µg/kg, max. conc.: 112 µg/kg, country: Thailand¹⁶³,

*mung beans

incidence: 10/322, Ø conc.: 213 µg/kg, max. conc.: 1620 µg/kg, country: Thailand¹⁶³

see also barley, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (fig), peas, phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

AFLATOXINS (TOTAL)

incidence: 4/79*, conc. range: >5.8–10 µg/kg (2 sa), –15 µg/kg (2 sa), country:

Switzerland¹³¹, *from Ecuador

see also butter, figs, maize, nut cereals, nuts (almond), nuts (brazil), nuts (cashew), nuts (“chico-felix”), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), paste (fig), rice, sunflower seeds

AFLATOXINS

incidence: 46*/64, conc. range: 1–100 µg/kg (30 sa), 100–1000 µg/kg (11 sa), >1000 (5 sa), country: Uganda⁵

incidence: 2/29, conc. range: >30–≤86 µg/kg, country: Philippines³²

see also candy (peanut), candy (pistachio), cassava, figs, flour (maize), grain mixtures, grains, maize, maize dough, maize products, melon seeds, millet, nuts, nuts (almond), nuts (brazil), nuts (peanut), nuts (peanut butter), nuts (peanut mix), nuts (peanut products), nuts (pecan), nuts (pistachio), nuts (walnut), nuts and seeds, paste (peanut), paste (pipian), peas, rice, sauce (leaf), snacks, sorghum, spices, spices (chilli), spices (cumin), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper), spices (tandoori), teff, tubers, wheat

DEOXYNIVALENOL

incidence: 2*/3**, conc. range: 3100–6500 µg/kg, country: Taiwan⁵⁴⁶, *grey and/or pink discoloration, ***Phaseolus vulgaris* L.

see also acha, barley, batter, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job’s-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

FUMONISIN B₁

incidence: 2*/3**, conc. range: 1770–2480 µg/kg, country: Taiwan⁵⁴⁶, *grey and/or pink discoloration, ***Phaseolus vulgaris* L.

see also arepas, asparagus, barley, batter, beer, bran (maize), bread, cake (rice), cereals, cereals (breakfast), chamomile, chips (maize),

chips (tortilla), flakes (corn), flour (maize), food, food (baby), foodstuff, grits (maize), Incaparina, leaves, maize, maize fiber, maize muffin, maize products, maize silk, maize starch, masa, meal (maize), meal (sorghum), milk, muffin mix, nuts (peanut), pancake, popcorn, rapoko, rice, snacks, sorghum, soybeans, syrup (sorghum), tea, tortillas, wheat

OCHRATOXIN A

incidence: 4/24*, conc. range: 25–27 µg/kg,

country: Bulgaria⁶⁵³, *BEN

incidence: 2/28*, conc. range: 25–50 µg/kg,

country: Bulgaria⁶⁵³, *con

incidence: 4/42, conc. range: 12–22.4 µg/kg,

Ø conc.: 14.7 µg/kg, country: Egypt⁷²¹

incidence: 1*/50, conc.: <4 µg/kg, country:

UK⁷⁴², *baked

incidence: 2/58* **, conc. range: 94–160

µg/kg, Ø conc.: 127 µg/kg, country: Brazil⁸¹⁶,

*different varieties, **dried

see also barley, beef, beer, berries

(strawberry), biscuits, bran, bran (barley),

bran (oat), bran (wheat), bread, buckwheat,

butter, cake (cocoa), cereal products, cereals,

cereals (breakfast), cheese, chicken, chicken

muscle, chocolate, chocolate and chocolate

cream, cocoa beans, cocoa mass, cocoa

powder, coffee, coffee beans (green), coppa,

copra, crème puddings, currants, dates,

drink, drink (cocoa), drink (malt), drugs,

duck, extrudates, figs, fish, flakes (cereal),

flakes (corn), flakes (oat), flakes (wheat),

flour, flour (cassava), flour (maize), flour

(rye), flour (wheat), food, food (baby), food

(infant), fruits, fruits (apple), fruits (apricot),

fruits (cherry), fruits (peach), fruits (plum),

fruits (prune), germ (wheat), goose, grits,

grits (durum), grits (maize), groats (barley),

gruel, gruel (oat), ham, jam, joints, juice

(carrot), juice (currant), juice (fruit), juice

(grape), juice (tomato), kidney (pig), kidney

(poultry), knäckebröd, lentils, linseeds,

liquorice, liquorice root, liver (cow), liver

(duck), liver (goose), liver (pig), liver

(turkey), maize, maize dough, malt, malt

(barley), meal (buckwheat), meal (cereal),

meal (maize), meal (rye), meal (spelt), meal

(wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must,noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

PENICILLIC ACID

incidence: 5/20* **, conc. range: 11–179

µg/kg, Ø conc.: 82 µg/kg, country: USA⁷⁵²,

*dried, **ncac

see also cassava, cheese, maize

DIACETOXYSCIRPENOL

incidence: 2*/3***, conc. range: 3300–9200

µg/kg, country: Taiwan⁵⁴⁶, *grey and/or pink

discoloration, ***Phaseolus vulgaris* L.

see also beer, bran (wheat), cereals, maize,

nuts (peanut), oats, products, rice, soybeans,

spices (chilli powder), spices (curry), wheat

T-2 TOXIN

incidence: 2*/3***, conc. range: 5500–13,500

µg/kg, country: Taiwan⁵⁴⁶, *grey and/or pink

discoloration, ***Phaseolus vulgaris* L.

see also barley, beer, bran (oat), bran (wheat),

bread, cereals, cereals (breakfast), flakes (oat),

flour, flour (maize), flour (wheat), food, grits

(maize), maize, nuts (hazelnut), nuts

(peanut), oat products, oats, rice, rye,

sorghum, spices (curry), spices (ginger),
spices (tandoori), sunflower seeds, wheat

ZEARALENONE

incidence: 1/5, conc.: 7 µg/kg, country:

Germany⁵²⁰

see also acha, amaranth, barley, beefburger,
beer, biscuits, bran (oat), bran (wheat),
bread, cake/muffin mixes, cereal (baby),
cereals, cereals (breakfast), cheese, crackers,
flakes (corn), flour, flour (barley), flour
(maize), flour (wheat), food, food (infant),
foodstuff, fruits, germ (wheat), grits (maize),
Job's-tears, maize, malt (barley), malt
(maize), meal (barley), meal (maize), meal
(millet), meal (rye), meal (wheat), meat,
meat (luncheon), milk, milk powder, nuts
(almond), nuts (hazelnut), nuts (peanut),
nuts (walnut), oats, oil, oil seeds, pig serum,
popcorn, products, pumpkin seeds, rice, rye,
sausages, sesame seeds, snacks, sorghum,
soybeans, spice powder, spices (chilli), spices
(chilli powder), spices (chilli sauce), spices
(coriander), spices (curry), spices (curry
paste), spices (curry powder), spices (fennel),
spices (garlic pickle), spices (pepper),
sunflower seeds, vegetables, wheat

Beef may contain the following mycotoxins:

OCHRATOXIN A

incidence: 1/58, conc.: 0.03 µg/kg, country:

Germany⁵⁹⁸

see also barley, beans, beer, berries
(strawberry), biscuits, bran, bran (barley),
bran (oat), bran (wheat), bread, buckwheat,
butter, cake (cocoa), cereal products, cereals,
cereals (breakfast), cheese, chicken, chicken
muscle, chocolate, chocolate and chocolate
cream, cocoa beans, cocoa mass, cocoa
powder, coffee, coffee beans (green), coppa,
copra, crème puddings, currants, dates,
drink, drink (cocoa), drink (malt), drugs,
duck, extrudates, figs, fish, flakes (cereal),
flakes (corn), flakes (oat), flakes (wheat),
flour, flour (cassava), flour (maize), flour
(rye), flour (wheat), food, food (baby), food
(infant), fruits, fruits (apple), fruits (apricot),
fruits (cherry), fruits (peach), fruits (plum),

fruits (prune), germ (wheat), goose, grits,
grits (durum), grits (maize), groats (barley),
gruel, gruel (oat), ham, jam, joints, juice
(carrot), juice (currant), juice (fruit), juice
(grape), juice (tomato), kidney (pig), kidney
(poultry), knäckebröd, lentils, linseeds,
liquorice, liquorice root, liver (cow), liver
(duck), liver (goose), liver (pig), liver
(turkey), maize, maize dough, malt, malt
(barley), meal (buckwheat), meal (cereal),
meal (maize), meal (rye), meal (spelt), meal
(wheat), meat and fish, milk (cow), milk
(human breast), millet, muesli, must,noodles,
nut slice, nuts, nuts (almond), nuts (cashew),
nuts (coconut), nuts (hazelnut), nuts
(peanut), nuts (peanut butter), nuts
(pistachio), nuts (walnut), oats, oil (olive), oil
(sesame), olives, pasta, pastries, peas, pig
blood, pig muscle, pig serum, pig (black
pudding), plant commodities, popcorn, pork,
pork pate, potatoes, products, pulp (grape),
pulses, pumpernickel, ragi, raisins, rice, rolls,
rusk, rye, sandwich, sauce, sausages, sesame
seeds, snacks, sorghum, soybeans, spelt, spice
powder, spices (cardamom), spices (chilli),
spices (chilli pickle), spices (chilli powder),
spices (chilli sauce), spices (coriander), spices
(curry), spices (curry paste), spices (curry
powder), spices (fennel), spices (garlic
pickle), spices (ginger), spices (mustard),
spices (nutmeg), spices (paprika), spices
(pepper), spices (pepper, cayenne), spices
(tandoori), spices (turmeric), sultanas,
sunflower seeds, tea, tomato ketchup,
tomatoes, turkey, vegetables, vinegar, wheat,
wine

Beefburger may contain the following
mycotoxins:

AFLATOXIN B₁

incidence: 5/25, conc. range: 8 µg/kg,

country: Egypt¹⁴

see also acha, areca nut, bacon, barley, beans,
beer, betel nut, bondakaledkai, bread,
buckwheat, butter, cassava, cereals, cereals
(breakfast), cheese, chestnut, chips (yam),
chocolate, cocoa, cocoa beans, cocoa hazelnut
cream, coffee beans (green), coix seed,

congressbele, cottonseed, cowpeas, dates, drink, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruit products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

ZEARALENONE

incidence: 3/20, conc. range: 1.6–6.7 µg/kg, Ø conc.: 4.8 µg/kg, country: Egypt⁴⁴³
see also acha, amaranth, barley, beans, beer, biscuits, bran (oat), bran (wheat), bread,

cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Beer may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 8/150*, conc. range: 0.05–0.13 µg/l, Ø conc.: 0.1 µg/l, country: South Africa¹⁸⁸,

*sorghum

incidence: 11/94*, conc. range: 0.0005–0.0831 µg/l, country: Japan⁶⁴⁷, *from different countries

incidence: 2/22*, conc. range: 0.0005–0.0008 µg/l, Ø conc.: 0.0007 µg/l, country: Japan⁶⁴⁷,

*from different countries

incidence: 7/24*, conc. range: tr–0.069 µg/l, country: Canada⁸⁴⁸, *and from different countries

see also acha, areca nut, bacon, barley, beans, beefburger, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drink, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruit products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), juice

(mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 5/94*, conc. range: 0.0012–0.0086 µg/l, Ø conc.: 0.0029 µg/l, country: Japan⁶⁴⁷, *from different countries

incidence: 3/24*, conc. range: tr–0.074 µg/l, country: Canada⁸⁴⁸, *and from different countries

see also acha, areca nut, beans, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga

Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN

incidence: 2/6*, conc. range: 200–400 µg/l, Ø conc.: 300 µg/l, country: South Africa⁷⁸⁰, *commercial, Utshwala

incidence: 1/11*, conc.: 12 µg/l, country: South Africa⁷⁸⁰, *home-brewed, Isiqatha see also barley, bran (rice), flour (maize), injera, jars, kocho, maize, maize roti, malt (barley), malt (maize), nuts (peanut), nuts (peanut butter), nuts (pistachio), oil (peanut), paste (pepper, red), rice, spices (pepper)

AFLATOXINS (B₁, G₁)

incidence: 2/2*, conc. range: 253–262 µg/l, country: Nigeria⁴, *burukutu

incidence: 2/2*, conc. range: 92–142 µg/l, country: Nigeria⁴, *pito

see also chestnut, nuts (peanut), nuts (peanut butter)

DEOXYNIVALENOL

incidence: 20/50, conc. range: 4–221 µg/l, Ø conc.: 35.6 µg/kg, country: Argentina³³⁴

incidence: 3/51* **, conc. range: 26–41 µg/l, Ø conc.: 34.3 µg/kg, country:

The Netherlands³⁹³, *different kinds of beer,
**from different EU-countries

incidence: 10/36*, conc. range: 1–5.3 µg/l,
Ø conc.: 3.9 µg/l, country: Korea⁴⁷¹, *partly
imported

incidence: 2/3* **, conc. range: 6.3–8.8 µg/l,
Ø conc.: 7.6 µg/l, country: Korea⁴⁷¹, *partly
imported, **draft

incidence: 2/3* **, conc. range: 18–23 µg/l,
Ø conc.: 20.5 µg/l, country: Korea⁴⁷¹, *partly
imported, **nonalcoholic

incidence: 9/196, conc. range: 70–720 µg/l, Ø
conc.: 303.3 µg/l, country: Germany⁴⁹²

incidence: 19/31*, conc. range: 0.3–50.3 µg/l,
Canada⁵²², *includes Lager, Ale, dry, light,
nonalcoholic

incidence: 8/17* **, conc. range: 1.1–15.8
µg/l, Ø conc.: 4.8 µg/l, Canada⁵²², *includes
Pilsener, Lager, light, premium beer,
**imported

incidence: 27/40*, conc. range: 6–22 µg/l,
country: Belgium⁵⁵⁴, *c

incidence: 32/40*, conc. range: 6–14 µg/l,
country: Belgium⁵⁵⁴, *o

incidence: 1/49, conc.: 20 µg/l, country:
France⁷⁸⁶

see also acha, barley, batter, beans, biscuits,
bran (oat), bran (wheat), bread, cake, cereal
(baby), cereals, cereals (breakfast), chips
(maize), crackers, croissant, figazzas, flakes
(corn), flakes (oat), flakes (wheat), flour,
flour (barley), flour (maize), flour (rye), flour
(wheat), food, food (baby), food (infant),
germ (wheat), grains, grits (barley), grits
(maize), grits (wheat), groats (oat),
Job's-tears, knäckebröd, libritos, maize, malt
(barley), malt (wheat), meal (barley), meal
(maize), meal (millet), meal (rye), meal
(wheat), millet, muesli, noodles, oat
products, oats, pancake, popcorn, rice, rye,
snacks, sorghum, soybeans, spices (chilli
powder), spices (coriander), spices (garlic),
spices (ginger), wheat

FUMONISIN B₁

incidence: 20/46, conc. range: 0.2–52.8 µg/l,
Ø conc.: 4.8 µg/l, country: Canada⁴⁰⁶

see also arepas, asparagus, barley, batter,
beans, bran (maize), bread, cake (rice),

cereals, cereals (breakfast), chamomile, chips
(maize), chips (tortilla), flakes (corn), flour
(maize), food, food (baby), foodstuff, grits
(maize), Incaparina, leaves, maize, maize
fiber, maize muffin, maize products, maize
silk, maize starch, masa, meal (maize), meal
(sorghum), milk, muffin mix, nuts (peanut),
pancake, popcorn, rapoko, rice, snacks,
sorghum, soybeans, syrup (sorghum), tea,
tortillas, wheat

FUMONISIN B₂

incidence: 7/46, conc. range: 0.4–11.5 µg/l, Ø
conc.: 2 µg/l, country: Canada⁴⁰⁶

see also arepas, asparagus, barley, batter, bran
(maize), cereals, cereals (breakfast), chips
(maize), chips (tortilla), flakes (corn), flour
(maize), food (baby), foodstuff, grits (maize),
Incaparina, maize, maize fiber, maize starch,
masa, meal (maize), muffin mix, pancake,
popcorn, rice, snacks, tortillas, wheat

FUMONISINS (B₁, B₂)

incidence: 25/29*, conc. range: 0.3–12.7 µg/l,
Ø conc.: 4 µg/l, country: USA³⁶⁸

see also flour (maize), food (infant), maize,
meal (maize), noodles, rice, spice powder,
spices (chilli pickle), spices (curry), spices
(curry paste), spices (curry powder), spices
(tandoori)

FUMONISINS

incidence: 14/32, conc. range: 4.8–85.5 µg/l,
country: Spain⁴¹⁵

see also bread, cereal (infant), chips (tortilla),
flakes (corn), flour (maize), grits (maize),
maize, maize pops cereal, maize products,
maize starch, maize (infant cream corn),
meal (maize), muffin mix, pasta, popcorn,
porridge, products, sorghum, tortillas

NIVALENOL

incidence: 10/36*, conc. range: <1–20 µg/l,
country: Korea⁴⁷¹, *partly imported

incidence: 1/2* **, conc.: 8.8 µg/l, country:
Korea⁴⁷¹, *partly imported, **draft

incidence: 6/6* **, conc. range: 3.3–38 µg/l, Ø
conc.: 18 µg/l, country: Korea⁴⁷¹, *partly
imported, **light

incidence: 1/3* **, conc.: 9 µg/l, country: Korea⁴⁷¹, *partly imported, **nonalcoholic
 incidence: 1/31*, conc.: 0.12 µg/l, Canada⁵²²,
 *includes Lager, Ale, dry, light, nonalcoholic
 incidence: 2/17* **, conc. range: 0.1–0.84
 µg/l, Ø conc.: 0.5 µg/l, Canada⁵²², *includes
 Pilsener, Lager, light, premium beer,
 **imported

see also barley, biscuits, bran (wheat), bread,
 cake, cereal (baby), cereals, cereals
 (breakfast), flour, flour (barley), flour
 (maize), flour (rye), flour (wheat), food,
 germ (wheat), grits (maize), grits (wheat),
 Job's-tears, maize, malt (barley), meal
 (millet), millet, noodles, oat products, oats,
 rice, rye, snacks, sorghum, soybeans, spices
 (chilli sauce), spices (curry), spices (curry
 paste), spices (curry powder), spices (garlic),
 spices (ginger), spices (tandoori), wheat

OCHRATOXIN A

incidence: 8/8*, conc. range: <0.05–0.17 µg/l,
 country: Germany²⁰², *dark

incidence: 1/3, conc.: 0.06 µg/l, country:
 Germany²⁰²

incidence: 19/22*, conc. range: <0.05–0.26
 µg/l, country: Germany²⁰², *Pilsener

incidence: 2/2*, conc. range: <0.05–0.16 µg/l,
 country: Germany²⁰², *wheat

incidence: 31/40*, conc. range: 0.019–0.198
 µg/l, country: Belgium⁵⁵⁴, *c

incidence: 40/40*, conc. range: 0.018–1.134
 µg/l, country: Belgium⁵⁵⁴, *o

incidence: 45/54*, conc. range: ≤0.126 µg/l,
 Ø conc.: 0.036 µg/l, country: Germany⁵⁸¹,
 *strong

incidence: 2/8*, conc. range: ≤0.047 µg/l, Ø
 conc.: 0.03 µg/l, country: Germany⁵⁸¹, *light

incidence: 13/24*, conc. range: ≤0.035 µg/l,
 Ø conc.: 0.02 µg/l, country: Germany⁵⁸¹,
 *non-alcoholic

incidence: 4/6*, conc. range: ≤0.019 µg/l, Ø
 conc.: 0.017 µg/l, country: Germany⁵⁸¹, *diet

incidence: 14/30*, conc. range: ≤0.081 µg/l,
 Ø conc.: 0.029 µg/l, country: Germany⁵⁸¹,
 *diet

incidence: 25/31*, conc. range: ≤0.123 µg/l,
 Ø conc.: 0.032 µg/kg, country: Germany⁵⁸¹,
 *Exportbier

incidence: 101/135*, conc. range: ≤0.137
 µg/l, Ø conc.: 0.033 µg/kg, country:

Germany⁵⁸¹, *Pilsener

incidence: 23/30*, conc. range: ≤0.293 µg/l,
 Ø conc.: 0.039 µg/l, country: Germany⁵⁸¹,
 *wheat

incidence: 3/4* **, conc. range: <0.3–1.04
 µg/l, country: Germany⁵⁹⁰, *strong, **wheat

incidence: 1/3*, conc.: 0.3 µg/l, country:
 Germany⁵⁹⁰, *wheat

incidence: 12/22*, conc. range: <0.3–1.53
 µg/l, country: Germany⁵⁹⁰, *strong

incidence: 2/46, conc. range: 0.2–0.3 µg/l,
 country: Korea⁵⁹⁹

incidence: 42/150*, conc. range: 0.1–8.1 µg/l,
 country: Turkey⁶⁰⁸, *and imported

incidence: 14/21*, conc. range: ≤0.205 µg/l,
 country: Spain⁶⁰⁹, *alcoholic

incidence: 10/10*, conc. range: ≤0.152 µg/l,
 Ø conc.: 0.018 µg/l, country: Spain⁶⁰⁹,
 *nonalcoholic

incidence: 60/62, conc. range: 0.01–0.185
 µg/l, Ø conc.: 0.033 µg/l, country: Belgium⁶¹²

incidence: 20/20*, conc. range: 0.01–0.087
 µg/l, Ø conc.: 0.034 µg/l, country: Belgium⁶¹²,

*from different European countries, Mexico
 incidence: 4/16*, conc. range: 0.05–0.09 µg/l

(4 sa), country: Germany⁶²³, *draught

incidence: 59/133*, conc. range: 0.05–0.09
 µg/l (40 sa), 0.1–0.19 µg/l (14 sa), 0.2–0.49

µg/l (5 sa), country: Germany⁶²³, *entire

incidence: 13/32*, conc. range: 0.05–0.09 µg/l
 (9 sa), 0.1–0.19 µg/l (3 sa), 0.2–0.49 µg/l (1

sa), country: Germany⁶²³, *strong

incidence: 4/12* **, conc. range: 0.05–0.09
 µg/l (3 sa), 0.1–0.19 µg/l (1 sa), country:

Germany⁶²³, *entire, **wheat

incidence: 21/21, conc. range: ≤0.16 µg/l, Ø
 conc.: 0.049 µg/l, country: Denmark⁶²⁴

incidence: 5/66*, conc. range: 0.1 µg/l, Ø
 conc.: 0.1 µg/l, country: Germany⁶⁴⁰, *entire

incidence: 14/40*, conc. range: 0.1–1.5 µg/l,
 country: Germany⁶⁴⁰, *strong

incidence: 86/94*, conc. range: 0.0012–0.0662
 µg/l, country: Japan⁶⁴⁷, *from different

countries
 incidence: 21/22*, conc. range: 0.0022–0.0448
 µg/l, country: Japan⁶⁴⁷

incidence: 26/41*, conc. range: ≤ 0.2 $\mu\text{g/l}$,
country: Canada⁶⁶⁰, *and imported
incidence: 2/107*, conc. range: 0.051–0.1 $\mu\text{g/l}$
(2 sa), country: Canada⁶⁶⁴, *and from
different countries?

incidence: 29/30*, conc. range: 0.005–0.075
 $\mu\text{g/l}$, country: Spain⁶⁷⁹, *alcoholic

incidence: 8/8*, conc. range: 0.014–0.024 $\mu\text{g/l}$,
 $\emptyset$ conc.: 0.018 $\mu\text{g/l}$, country: Spain⁶⁷⁹,
*nonalcoholic

incidence: 38/38* **, conc. range: 0.008–0.121
 $\mu\text{g/l}$, $\emptyset$ conc.: 0.026 $\mu\text{g/l}$, country: Spain⁶⁷⁹,
*from different countries, **alcoholic

incidence: 4/4* **, conc. range: 0.01–0.024
 $\mu\text{g/l}$, $\emptyset$ conc.: 0.014 $\mu\text{g/l}$, country: Spain⁶⁷⁹,
*from different countries, **nonalcoholic

incidence: 3/10, conc. range: 0.02–0.022 $\mu\text{g/l}$,
 $\emptyset$ conc.: 0.021 $\mu\text{g/l}$, country: Italy⁶⁸⁹

incidence: 27/51*, conc. range: 0.01–0.135
 $\mu\text{g/l}$, $\emptyset$ conc.: 0.036 $\mu\text{g/l}$, country: Italy⁶⁸⁹,
*imported

incidence: 17/35*, conc. range: 0.01–0.1 $\mu\text{g/l}$,
 $\emptyset$ conc.: 0.031 $\mu\text{g/l}$, country: Italy⁶⁸⁹, *<6%
alcohol

incidence: 13/26*, conc. range: 0.01–0.135
 $\mu\text{g/l}$, $\emptyset$ conc.: 0.04 $\mu\text{g/l}$, country: Italy⁶⁸⁹,
*>6% alcohol

incidence: 8/18*, conc. range: 0.01–0.079 $\mu\text{g/l}$,
 $\emptyset$ conc.: 0.033 $\mu\text{g/l}$, country: Italy⁶⁸⁹, *pure
malt

incidence: 7/7*, conc. range: 0.01–0.033 $\mu\text{g/l}$,
country: Switzerland⁶⁹², *pale

incidence: 4/11*, conc. range: 1.5–2340 $\mu\text{g/l}$,
 $\emptyset$ conc.: 634 $\mu\text{g/l}$, country: South Africa⁷⁸⁰,
*home-brewed, Isiqatha

incidence: 3/11*, conc. range: 60–876 $\mu\text{g/l}$, $\emptyset$
conc.: 379 $\mu\text{g/l}$, country: South Africa⁷⁸⁰,
*home-brewed, Umqombothi

incidence: 3/7*, conc. range: 150–1100 $\mu\text{g/l}$,
 $\emptyset$ conc.: 480 $\mu\text{g/l}$, country: South Africa⁷⁸⁰,
*home-brewed, Infulamfula

incidence: 4/37, conc. range: 5–110 $\mu\text{g/l}$, $\emptyset$
conc.: 56.2 $\mu\text{g/l}$, country: France⁷⁸⁶

incidence: 5/9, conc. range: 0.01–0.026 $\mu\text{g/l}$,
 $\emptyset$ conc.: 0.0196 $\mu\text{g/l}$, country: Denmark⁸⁷⁰

see also barley, beans, beef, berries
(strawberry), biscuits, bran, bran (barley),
bran (oat), bran (wheat), bread, buckwheat,

butter, cake (cocoa), cereal products, cereals,
cereals (breakfast), cheese, chicken, chicken
muscle, chocolate, chocolate and chocolate
cream, cocoa beans, cocoa mass, cocoa
powder, coffee, coffee beans (green), coppa,
copra, crème puddings, currants, dates,
drink, drink (cocoa), drink (malt), drugs,
duck, extrudates, figs, fish, flakes (cereal),
flakes (corn), flakes (oat), flakes (wheat),
flour, flour (cassava), flour (maize), flour
(rye), flour (wheat), food, food (baby), food
(infant), fruits, fruits (apple), fruits (apricot),
fruits (cherry), fruits (peach), fruits (plum),
fruits (prune), germ (wheat), goose, grits,
grits (durum), grits (maize), groats (barley),
gruel, gruel (oat), ham, jam, joints, juice
(carrot), juice (currant), juice (fruit), juice
(grape), juice (tomato), kidney (pig), kidney
(poultry), knäckebröd, lentils, linseeds,
liquorice, liquorice root, liver (cow), liver
(duck), liver (goose), liver (pig), liver
(turkey), maize, maize dough, malt, malt
(barley), meal (buckwheat), meal (cereal),
meal (maize), meal (rye), meal (spelt), meal
(wheat), meat and fish, milk (cow), milk
(human breast), millet, muesli, must,
noodles, nut slice, nuts, nuts (almond), nuts
(cashew), nuts (coconut), nuts (hazelnut),
nuts (peanut), nuts (peanut butter), nuts
(pistachio), nuts (walnut), oats, oil (olive),
oil (sesame), olives, pasta, pastries, peas, pig
blood, pig muscle, pig serum, pig (black
pudding), plant commodities, popcorn, pork,
pork pate, potatoes, products, pulp (grape),
pulses, pumpernickel, ragi, raisins, rice, rolls,
rusk, rye, sandwich, sauce, sausages, sesame
seeds, snacks, sorghum, soybeans, spelt, spice
powder, spices (cardamom), spices (chilli),
spices (chilli pickle), spices (chilli powder),
spices (chilli sauce), spices (coriander), spices
(curry), spices (curry paste), spices (curry
powder), spices (fennel), spices (garlic
pickle), spices (ginger), spices (mustard),
spices (nutmeg), spices (paprika), spices
(pepper), spices (pepper, cayenne), spices
(tandoori), spices (turmeric), sultanas,
sunflower seeds, tea, tomato ketchup,
tomatoes, turkey, vegetables, vinegar, wheat,
wine

DIACETOXYSCIRPENOL

incidence: 5/49, conc. range: ≤ 35 $\mu\text{g/l}$,
country: France⁷⁸⁶

see also beans, bran (wheat), cereals, maize,
nuts (peanut), oats, products, rice, soybeans,
spices (chilli powder), spices (curry), wheat

T-2 TOXIN

incidence: 3/49, conc. range: ≤ 42 $\mu\text{g/l}$,
country: France⁷⁸⁶

see also barley, beans, bran (oat), bran
(wheat), bread, cereals, cereals (breakfast),
flakes (oat), flour, flour (maize), flour (wheat),
food, grits (maize), maize, nuts (hazelnut),
nuts (peanut), oat products, oats, rice,
rye, sorghum, spices (curry), spices (ginger),
spices (tandoori), sunflower seeds, wheat

ZEARALENONE

incidence: 28/46*, conc. range: 12.5–200 $\mu\text{g/l}$,
 $\emptyset$ conc.: 81.8 $\mu\text{g/l}$, country: Nigeria⁵⁰³, *pito
incidence: 4/11*, conc. range: 130–426 $\mu\text{g/l}$,
 $\emptyset$ conc.: 250 $\mu\text{g/l}$, country: South Africa⁷⁸⁰,
*home-brewed, Isiqatha

incidence: 2/11*, conc. range: 3–8 $\mu\text{g/l}$, $\emptyset$
conc.: 5.5 $\mu\text{g/l}$, country: South Africa⁷⁸⁰,

*home-brewed, Umqombothi

incidence: 1/7*, conc.: 2.6 $\mu\text{g/l}$, country:

South Africa⁷⁸⁰, *home-brewed, Infulamfula

incidence: ?/23*, conc. range: 90–4600 $\mu\text{g/l}$,
country: Zambia⁷⁹⁷, *opaque maize

see also acha, amaranth, barley, beans,
beefburger, biscuits, bran (oat), bran (wheat),
bread, cake/muffin mixes, cereal (baby),
cereals, cereals (breakfast), cheese, crackers,
flakes (corn), flour, flour (barley), flour
(maize), flour (wheat), food, food (infant),
foodstuff, fruits, germ (wheat), grits (maize),
Job's-tears, maize, malt (barley), malt
(maize), meal (barley), meal (maize), meal
(millet), meal (rye), meal (wheat), meat,
meat (luncheon), milk, milk powder, nuts
(almond), nuts (hazelnut), nuts (peanut),
nuts (walnut), oats, oil, oil seeds, pig serum,
popcorn, products, pumpkin seeds, rice, rye,
sausages, sesame seeds, snacks, sorghum,
soybeans, spice powder, spices (chilli), spices
(chilli powder), spices (chilli sauce), spices
(coriander), spices (curry), spices (curry)

paste), spices (curry powder), spices (fennel),
spices (garlic pickle), spices (pepper),
sunflower seeds, vegetables, wheat

Berries (blueberry) may contain the following
mycotoxins:

PATULIN

incidence: 1/12, conc.: 21 $\mu\text{g/kg}$ (pulp),
country: Sweden⁴⁸⁰

see also apple cider, apple flavor, apples
(stewed fruit), berries (lingonberry), berries
(mulberry), berries (raspberry), berries
(strawberry), cassava, cheese, food (baby),
fruit products, fruits (apple), fruits (apricot),
fruits (cherry), fruits (peach), fruits (pear),
fruits (plum), jam, jam (apple), juice, juice
(apple), juice (apple-acerola), juice (apple,
concentrate), juice (cherry), juice (currant),
juice (fruit), juice (grape), juice (orange),
juice (peach), juice (pear), must, pulp
(plum), syrup (apple), vinegar

Berries (lingonberry) may contain the
following mycotoxins:

PATULIN

incidence: 1/2, conc.: 265 $\mu\text{g/kg}$ (pulp),
country: Sweden⁴⁸⁰

see also apple cider, apple flavor, apples
(stewed fruit), berries (blueberry), berries
(mulberry), berries (raspberry), berries
(strawberry), cassava, cheese, food (baby),
fruit products, fruits (apple), fruits (apricot),
fruits (cherry), fruits (peach), fruits (pear),
fruits (plum), jam, jam (apple), juice, juice
(apple), juice (apple-acerola), juice (apple,
concentrate), juice (cherry), juice (currant),
juice (fruit), juice (grape), juice (orange),
juice (peach), juice (pear), must, pulp
(plum), syrup (apple), vinegar

Berries (mulberry) may contain the following
mycotoxins:

PATULIN

incidence: 4/6*, conc. range: 32–426 $\mu\text{g/kg}$, $\emptyset$
conc.: 199 $\mu\text{g/kg}$, country: Turkey⁷¹⁹, *white
incidence: 7/10*, conc. range: 6.8–157.4 $\mu\text{g/kg}$,
 $\emptyset$ conc.: 67 $\mu\text{g/kg}$, country: Turkey⁷¹⁹, *black

see also apple cider, apple flavor, apples (stewed fruit), berries (blueberry), berries (lingnonberry), berries (raspberry), berries (strawberry), cassava, cheese, food (baby), fruit products, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (pear), fruits (plum), jam, jam (apple), juice, juice (apple), juice (apple-acerola), juice (apple, concentrate), juice (cherry), juice (currant), juice (fruit), juice (grape), juice (orange), juice (peach), juice (pear), must, pulp (plum), syrup (apple), vinegar

Berries (raspberry) may contain the following mycotoxins:

PATULIN

incidence: 3/5, conc. range: 48–746 µg/kg, Ø conc.: 326 µg/kg, country: Turkey⁷¹⁹

see also apple cider, apple flavor, apples (stewed fruit), berries (blueberry), berries (lingnonberry), berries (mulberry), berries (strawberry), cassava, cheese, food (baby), fruit products, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (pear), fruits (plum), jam, jam (apple), juice, juice (apple), juice (apple-acerola), juice (apple, concentrate), juice (cherry), juice (currant), juice (fruit), juice (grape), juice (orange), juice (peach), juice (pear), must, pulp (plum), syrup (apple), vinegar

Berries (strawberry) may contain the following mycotoxins:

OCHRATOXIN A

incidence: 4/10*, conc. range: 0.22–1.44

µg/kg, country: Germany²⁸⁹, *moldy

see also barley, beans, beef, beer, biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food

(baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

PATULIN

incidence: 8/10, conc. range: 3.2–572 µg/kg,

Ø conc.: 154 µg/kg, country: Turkey⁷¹⁹

see also apple cider, apple flavor, apples (stewed fruit), berries (blueberry), berries (lingnonberry), berries (mulberry), berries (raspberry), cassava, cheese, food (baby), fruit products, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (pear), fruits (plum), jam, jam (apple), juice, juice (apple), juice (apple-acerola), juice (apple,

concentrate), juice (cherry), juice (currant), juice (fruit), juice (grape), juice (orange), juice (peach), juice (pear), must, pulp (plum), syrup (apple), vinegar

Betel nut may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 12/32, conc. range: 18–208 µg/kg, Ø conc.: 94.2 µg/kg, country: India²⁷

see also acha, areca nut, bacon, barley, beans, beefburger, beer, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drink, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruit products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi),

spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 6/32, conc. range: 10–528 µg/kg, Ø conc.: 24.3 µg/kg, country: India²⁷

see also acha, areca nut, beans, beer, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 9/32, conc. range: tr–81 µg/kg, country: India²⁷

see also areca nut, beans, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice

(apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFATOXIN G₂

incidence: 3/32, conc. range: tr-<20 µg/kg, country: India²⁷

see also areca nut, beans, buckwheat, cereals (breakfast), cocoa, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, maize, maize dough, milk (human breast), nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), paste (soybean), popcorn, raisins, rice, sesame seeds, shoyu, soybeans, spices (cardamom), spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine
see also areca nut

Bhutanese cheese

see Cheese

Biscuits may contain the following mycotoxins:

DEOXYNIVALENOL

incidence: 49/60, conc. range: 10–100 µg/kg (48 sa), 315 µg/kg (1 sa), country: UK⁸³⁶

see also acha, barley, batter, beans, beer, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

NIVALENOL

incidence: 11/60, conc. range: 10–100 µg/kg (11 sa, with a maximum of 24 µg/kg), country: UK⁸³⁶

see also barley, beer, bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, germ (wheat), grits (maize), grits (wheat), Job's-tears, maize, malt (barley), meal (millet), millet, noodles, oat products, oats, rice, rye, snacks, sorghum, soybeans, spices (chilli sauce), spices (curry), spices (curry paste), spices (curry powder), spices (garlic), spices (ginger), spices (tandoori), wheat

OCHRATOXIN A

incidence: 82/102, conc. range: ≤3.814 µg/kg, country: Germany⁵⁹²

incidence: 65/67*, conc. range: ≤0.39 µg/kg, country: Germany⁵⁹², *with chocolate
incidence: 1/9, conc. range: 0.2–0.49 µg/kg (1 sa), country: Germany⁶²³

incidence: 3/11*, conc. range: 0.1–0.19 µg/kg (2 sa), 0.5–1.49 µg/kg (1 sa), country: Germany⁶²³, *salted

incidence: 10/18*, conc. range: 0.2–0.5 µg/kg (6 sa), 0.6–1 µg/kg (2 sa), 4.1–7 µg/kg (2 sa, with a maximum of 6.4 µg/kg), country: UK⁷⁴⁰, *raw materials

see also barley, beans, beef, beer, berries (strawberry), bran, bran (barley), bran (oat),

bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquourice, liquourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must,noodles, nut slice,nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts(hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts(walnut), oats, oil (olive),oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

ZEARALENONE

incidence: 2/60, conc. range: 10.7–11.8 µg/kg, Ø conc.: 11.3 µg/kg, country: UK⁸³⁶

see also acha, amaranth, barley, beans, beefburger, beer, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Black currant juice

see Juice (currant)

Black pepper

see Spices (pepper)

Black pudding

see Pig (black pudding)

Black tea

see Tea

Bleu des causses cheese

see Cheese

Blueberries

see Berries (blueberry)

Blue cheese

see Cheese (blue)

Blue cheese dressing

see Cheese (blue)

Bondakaledkai may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 22/54, conc. range: 3–1500 µg/kg, country: India¹⁴⁸

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drink, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruit products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian

cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 14/54, conc. range: 3–370 µg/kg, country: India¹⁴⁸

see also acha, areca nut, beans, beer, betel nut, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

Bran may contain the following mycotoxins:

ALTERNARIOL

incidence: 2/10, conc. range: ≤310 µg/kg, country: Egypt²⁹¹

see also fruits (apple), fruits (mandarin fruit), juice (apple, concentrate), olives, spices (pepper), sunflower seeds, tomatoes, wheat

ALTERNARIOL METHYL ETHER

incidence: 1/10, conc.: 460 µg/kg, country: Egypt²⁹¹

see also barley, fruits (apple), fruits (Mandarin fruit), fruits (melon), juice (apple, concentrate), olives, ragi, sorghum, spices (pepper), sunflower seeds, tomatoes, wheat

OCHRATOXIN A

incidence: 19/30, conc. range: 0.1–0.19 µg/kg (6 sa), 0.2–0.49 µg/kg (6 sa), 0.5–1.49 µg/kg (4 sa), 1.5–9.99 µg/kg (3 sa), country:

Germany⁶²³

incidence: 12/31*, conc. range: 1–5 µg/kg (12 sa, with a maximum of 4.9 µg/kg), country: UK⁶³⁶, *and from different countries?

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqueurice, liqueurice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil

(sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

TENUAZONIC ACID

incidence: 4/10, conc. range: ≤200.5 µg/kg, country: Egypt²⁹¹

see also cassava, fruits (mandarin fruit), maize, olives, pulp (tomato), ragi, rice, sorghum, spices (pepper), sunflower seeds, tomato purée, tomatoes, wheat

Bran (barley) may contain the following mycotoxins:

OCHRATOXIN A

incidence: 5/5*, conc. range: 720–1950 µg/kg, Ø conc.: 1156 µg/kg, country: Poland⁵⁸⁵,

*ncac

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food

(infant), fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), goats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Bran (maize) may contain the following mycotoxins:

FUMONISIN B₁

incidence: 5/5, conc. range: 60–330 µg/kg, Ø conc.: 192 µg/kg, country: USA⁴¹⁰
see also arepas, asparagus, barley, batter, beans, beer, bread, cake (rice), cereals, cereals (breakfast), chamomile, chips (maize), chips (tortilla), flakes (corn), flour (maize), food,

food (baby), foodstuff, grits (maize), Incaparina, leaves, maize, maize fiber, maize muffin, maize products, maize silk, maize starch, masa, meal (maize), meal (sorghum), milk, muffin mix, nuts (peanut), pancake, popcorn, rapoko, rice, snacks, sorghum, soybeans, syrup (sorghum), tea, tortillas, wheat

FUMONISIN B₂

incidence: 4/5, conc. range: 10–70 µg/kg, Ø conc.: 35 µg/kg, country: USA⁴¹⁰

see also arepas, asparagus, barley, batter, beer, cereals, cereals (breakfast), chips (maize), chips (tortilla), flakes (corn), flour (maize), food (baby), foodstuff, grits (maize), Incaparina, maize, maize fiber, maize starch, masa, meal (maize), muffin mix, pancake, popcorn, rice, snacks, tortillas, wheat

FUMONISINS (B₁, B₂, B₃)

incidence: 12/12, conc. range: 1500–3200 µg/kg, Ø conc.: 2075 µg/kg, country: USA³⁷⁰

see also cereals (breakfast), flour, flour (maize), germ (maize), grains, grits (maize), maize, maize-based thickeners, popcorn, snacks, tortillas

Bran (oat) may contain the following mycotoxins:

DEOXYNIVALENOL

incidence: 3/7, conc. range: 14–97 µg/kg, Ø conc.: 46 µg/kg, country: Germany⁵²⁰

see also acha, barley, batter, beans, beer, biscuits, bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli

powder), spices (coriander), spices (garlic), spices (ginger), wheat

15-ACETYLDEOXYNIVALENOL

incidence: 1/7, conc.: 16 µg/kg, country: Germany⁵²⁰

see also barley, bran (wheat), cereals (breakfast), flour (maize), flour (wheat), food, grits (maize), maize, noodles, oat products, oats, snacks, wheat

HT-2 TOXIN

incidence: 7/7, conc. range: 5–18 µg/kg, Ø conc.: 9 µg/kg, country: Germany⁵²⁰

see also barley, bran (wheat), bread, cereal (baby), cereals, cereals (breakfast), flakes (oat), flour (maize), flour (wheat), food, food (baby), germ (wheat), grits (maize), groats (oat), maize, noodles, nuts (hazelnut), oat products, oats, products, pumpkin seeds, rye, spices (chilli powder), spices (curry), sunflower seeds, wheat

OCHRATOXIN A

incidence: 1/14, conc.: 0.1 µg/kg, country: Germany⁶⁴⁰

incidence: 14/26, conc. range: ≤0.33 µg/kg, Ø conc.: 0.089 µg/kg, country: Germany⁶⁹⁰

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds,

liquorice, liquorice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

T-2 TOXIN

incidence: 3/7, conc. range: 6–9 µg/kg, Ø conc.: 6 µg/kg?, country: Germany⁵²⁰

see also barley, beans, bran (oat), bran (wheat), bread, cereals, cereals (breakfast), flakes (oat), flour, flour (maize), flour (wheat), food, grits (maize), maize, nuts (hazelnut), nuts (peanut), oat products, oats, rice, rye, sorghum, spices (curry), spices (ginger), spices (tandoori), sunflower seeds, wheat

ZEARALENONE

incidence: 3/7, conc. range: 2–18 µg/kg, Ø conc.: 7 µg/kg, country: Germany⁵²⁰

see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (wheat), bread, cake/muffin mixes, cereal (baby),

cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Bran (rice) may contain the following mycotoxins:

AFLATOXIN

incidence: 1/2*, conc.: 26 µg/kg, country: Nigeria¹⁰, *ncac

see also barley, beer, flour (maize), injera, jars, kocho, maize, maize roti, malt (barley), malt (maize), nuts (peanut), nuts (peanut butter), nuts (pistachio), oil (peanut), paste (pepper, red), rice, spices (pepper)

Bran (wheat) may contain the following mycotoxins:

DEOXYNIVALENOL

incidence: 16/24, conc. range: 101–1000 µg/kg (8 sa), 1001–5000 µg/kg (4 sa), >5001 µg/kg (4 sa), country: Portugal³¹⁵
incidence: 16/16, conc. range: ≤2000 µg/kg, country: Germany⁴³²

incidence: 2/17, conc. range: 50–80 µg/kg, Ø conc.: 65 µg/kg, country: Poland⁴³⁹
incidence: 5/5, conc. range: 319–389 µg/kg, Ø conc.: 360 µg/kg, country: Germany⁵²⁰
incidence: 1/2*, conc.: 45 µg/kg, country: Papua, New Guinea⁵⁷⁴, *from Australia
see also acha, barley, batter, beans, beer, biscuits, bran (oat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips

(maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

15-ACETYLDEOXYNIVALENOL

incidence: 1/5, conc.: 11 µg/kg, country: Germany⁵²⁰

see also barley, bran (oat), cereals (breakfast), flour (maize), flour (wheat), food, grits (maize), maize, noodles, oat products, oats, snacks, wheat

HT-2 TOXIN

incidence: 5/5, conc. range: 5–33 µg/kg, Ø conc.: 13 µg/kg, country: Germany⁵²⁰

see also barley, bran (oat), bread, cereal (baby), cereals, cereals (breakfast), flakes (oat), flour (maize), flour (wheat), food, food (baby), germ (wheat), grits (maize), groats (oat), maize, noodles, nuts (hazelnut), oat products, oats, products, pumpkin seeds, rye, spices (chilli powder), spices (curry), sunflower seeds, wheat

NIVALENOL

incidence: 15/16, conc. range: ≤120 µg/kg, country: Germany⁴³²

incidence: 5/17, conc. range: 100–240 µg/kg, country: Poland⁴³⁹

incidence: 5/5, conc. range: 21–65 µg/kg, Ø conc.: 37 µg/kg, country: Germany⁵²⁰

incidence: 1/2*, conc.: 19 µg/kg, country: Papua, New Guinea⁵⁷⁴, *from Australia
see also barley, beer, biscuits, bread, cake, cereal (baby), cereals, cereals (breakfast), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, germ (wheat), grits (maize), grits (wheat), Job's-tears, maize, malt (barley), meal (millet), millet, noodles,

oat products, oats, rice, rye, snacks, sorghum, soybeans, spices (chilli sauce), spices (curry), spices (curry paste), spices (curry powder), spices (garlic), spices (ginger), spices (tandoori), wheat

OCHRATOXIN A

incidence: 3/5, conc. range: 0.2–0.8 µg/kg, Ø conc.: 0.4 µg/kg, country: Switzerland⁵⁷⁸

incidence: 74/120*, conc. range: 0.05–4.9 µg/kg (72 sa), 5–25 µg/kg (2 sa, with a maximum of 12 µg/kg), Ø conc.: 0.8 µg/kg**, country: Denmark⁶²⁵, *cg, **arithmetic mean incidence: 15/22*, conc. range: 0.05–4.9 µg/kg (15 sa, with a maximum of 2.6 µg/kg), Ø conc.: 0.6 µg/kg**, country: Denmark⁶²⁵, *eg, **arithmetic mean

incidence: 1/41, conc.: 0.1 µg/kg, country: Germany⁶⁴⁰

incidence: 3/25, conc. range: ≤1.59 µg/kg, Ø conc.: 0.218 µg/kg, country: Germany⁶⁹⁰
see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk

(human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

DIACETOXYSCIRPENOL

incidence: 1/17, conc.: 50 µg/kg, country: Poland⁴³⁹

see also beans, beer, cereals, maize, nuts (peanut), oats, products, rice, soybeans, spices (chilli powder), spices (curry), wheat

T-2 TOXIN

incidence: 1/17, conc.: 100 µg/kg, country: Poland⁴³⁹

incidence: 1/5, conc.: 6 µg/kg, country: Germany⁵²⁰

see also barley, beans, beer, bran (oat), bread, cereals, cereals (breakfast), flakes (oat), flour, flour (maize), flour (wheat), food, grits (maize), maize, nuts (hazelnut), nuts (peanut), oat products, oats, rice, rye, sorghum, spices (curry), spices (ginger), spices (tandoori), sunflower seeds, wheat

T-2 TETRAOL

incidence: 3/5, conc. range: 11–15 µg/kg, Ø conc.: 14 µg/kg, country: Germany⁵²⁰

see also barley, maize, soybeans, wheat

ZEARALENONE

incidence: 4/5, conc. range: 3–67 µg/kg, Ø conc.: 29 µg/kg, country: Germany⁵²⁰
 see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Brazil nuts

see Nuts (Brazil)

Bread may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 4*/18**, conc. range: 5–60 µg/kg, country: Germany⁶⁷, *moldy, **whole meal wheat
 incidence: 2*/18**, conc. range: 20–25 µg/kg, Ø conc.: 22.5 µg/kg, country: Germany⁶⁷, *moldy, **white
 incidence: 1*/14** ***, conc.: 10 µg/kg, country: Germany⁶⁷, *moldy, **80% wheat flour, 20% rye flour, ***German
 see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drink, figs, fish, flakes (corn), flour, flour

(gram), flour (maize), flour (wheat), food, food (infant), fruit products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 1/4*, conc.: 3.3 µg/kg, country: UK⁷³², *nan
 see also barley, beans, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts

(brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (fig), peas, phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

DEOXYNIVALENOL

incidence: 1/40, conc.: 170 µg/kg, country: Egypt⁴²⁷

incidence: 4/4*, conc. range: 269–384 µg/kg, country: Argentina⁵⁰⁵, *homemade

incidence: 10/12*, conc. range: 198–436 µg/kg, country: Argentina⁵⁰⁵, *French

incidence: 1/1*, conc.: 378 µg/kg, country: Argentina⁵⁰⁵, *bran

incidence: 80/96*, conc. range: 15–788 µg/kg, Ø conc.: 92 µg/kg, country: Germany⁵¹⁷, *and related products

incidence: 71/74* **, conc. range: 15–690 µg/kg, Ø conc.: 184 µg/kg, country:

Germany⁵¹⁸, *c, **includes rye, mixed rye, wheat, mixed wheat bread

incidence: 22/27* **, conc. range: 15–224 µg/kg, Ø conc.: 62 µg/kg, country:

Germany⁵¹⁸, *o, **includes rye, mixed rye, wheat, mixed wheat bread

incidence: 20/25, conc. range: ≤240 µg/kg, country: USA⁵⁴⁵

incidence: ?/4*, conc. range: 8–28 µg/kg, country: UK⁷³², *pitta

incidence: ?/4*, conc. range: 6–10 µg/kg, country: UK⁷³², *chapatti

incidence: ?/4*, conc. range: 5–12 µg/kg, country: UK⁷³², *nan

incidence: 57/60, conc. range: 10–100 µg/kg (47 sa), >100–250 µg/kg (9 sa), 366 µg/kg (1 sa), country: UK⁸³⁶

see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), cake, cereal

(baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

3-ACETYLDEOXYNIVALENOL

incidence: 1/96*, conc.: 11 µg/kg, country: Germany⁵¹⁷, *and related products

incidence: 8/101*, conc. range: 11–73 µg/kg, Ø conc.: 42 µg/kg, country: Germany⁵¹⁸,

*includes rye, mixed rye, wheat, mixed wheat bread

see also barley, cereals, cereals (breakfast), flakes (oat), flour (maize), flour (wheat), food, food (baby), grits (maize), maize, oat products, oats, rice, rye, snacks, wheat

ERGOCORNINE

incidence: 2/?/3*, conc. range: 1.2–2 µg/kg, Ø conc.: 1.6 µg/kg, country: Canada⁸⁰⁶, *rye,

dried

see also flour (rye), flour (wheat), pancake, triticale

ERGOCRISTINE

incidence: 3/3*, conc. range: 2.1–5.4 µg/kg, Ø conc.: 4.03 µg/kg, country: Canada⁸⁰⁶,

*wheat, dried

incidence: 3/3*, conc. range: 5.9–10 µg/kg, Ø conc.: 8.53 µg/kg, country: Canada⁸⁰⁶, *rye,

dried

see also flour (rye), flour (wheat), pancake, triticale

ERGOMETRINE

incidence: 2/?/3*, conc. range: 1.7–2.3 µg/kg, Ø conc.: 2 µg/kg, country: Canada⁸⁰⁶, *rye,

dried

see also flour (rye), flour (wheat), pancake, triticale

ERGOSINE

incidence: 2/3*, conc. range: 2.9–4.4 µg/kg,
 Ø conc.: 3.65 µg/kg, country: Canada⁸⁰⁶, *rye,
 dried
 see also flour (rye), flour (wheat), pancake,
 triticale

ERGOTAMINE

incidence: 2/3*, conc. range: 8.4–9.1 µg/kg,
 Ø conc.: 8.7 µg/kg, country: Canada⁸⁰⁶,
 *wheat, dried
 incidence: 3/3*, conc. range: 3.6–7.5 µg/kg,
 Ø conc.: 6.13 µg/kg, country: Canada⁸⁰⁶, *rye,
 dried
 see also flour (rye), flour (wheat), pancake,
 triticale

α-ERGOKRYPTINE

incidence: 2/3*, conc. range: 0.8–1 µg/kg,
 Ø conc.: 0.9 µg/kg, country: Canada⁸⁰⁶,
 *wheat, dried
 incidence: 3/3*, conc. range: 1.4–2.4 µg/kg, Ø
 conc.: 1.9 µg/kg, country: Canada⁸⁰⁶, *rye,
 dried
 see also flour (rye), flour (wheat), pancake,
 triticale,

FUMONISIN B₁

incidence: 1/1*, conc.: 600 µg/kg, country:
 USA³⁵⁶, *unprocessed
 incidence: 1/1*, conc.: 500 µg/kg, country:
 USA³⁵⁶, *processed
 see also arepas, asparagus, barley, batter,
 beans, beer, bran (maize), cake (rice), cereals,
 cereals (breakfast), chamomile, chips (maize),
 chips (tortilla), flakes (corn), flour (maize),
 food, food (baby), foodstuff, grits (maize),
 Incaparina, leaves, maize, maize fiber, maize
 muffin, maize products, maize silk, maize
 starch, masa, meal (maize), meal (sorghum),
 milk, muffin mix, nuts (peanut), pancake,
 popcorn, rapoko, rice, snacks, sorghum,
 soybeans, syrup (sorghum), tea, tortillas,
 wheat

FUMONISINS

incidence: 1/1*, conc.: 600 µg/kg, country:
 USA³⁵⁶, *maize
 incidence: 4/4*, conc. range: 400–3450 µg/kg,
 Ø conc.: 1285 µg/kg, country: USA³⁵⁷, *maize

incidence: 30/35*, conc. range: <9–1808
 µg/kg, country: Czech Republic⁶⁷⁰,
 *maize-extruded, gluten-free

see also beer, cereal (infant), chips (tortilla),
 flakes (corn), flour (maize), grits (maize),
 maize, maize pops cereal, maize products,
 maize starch, maize (infant cream corn),
 meal (maize), muffin mix, pasta, popcorn,
 porridge, products, sorghum, tortillas

HT-2 TOXIN

incidence: 13/96*, conc. range: 12–32 µg/kg,
 Ø conc.: 16 µg/kg, country: Germany⁵¹⁷, *and
 related products
 incidence: 2/101*, conc. range: 12 µg/kg, Ø
 conc.: 12 µg/kg, country: Germany⁵¹⁸,
 *includes rye, mixed rye, wheat, mixed wheat
 bread
 see also barley, bran (oat), bran (wheat),
 cereal (baby), cereals, cereals (breakfast),
 flakes (oat), flour (maize), flour (wheat),
 food, food (baby), germ (wheat), grits
 (maize), groats (oat), maize, noodles, nuts
 (hazelnut), oat products, oats, products,
 pumpkin seeds, rye, spices (chilli powder),
 spices (curry), sunflower seeds, wheat

NIVALENOL

incidence: 2/96*, conc. range: 67–169 µg/kg,
 Ø conc.: 118 µg/kg, country: Germany⁵¹⁷,
 *and related products
 incidence: 5/101*, conc. range: 25–64 µg/kg,
 Ø conc.: 33 µg/kg, country: Germany⁵¹⁸,
 *includes rye, mixed rye, wheat, mixed wheat
 bread
 incidence: 1/4*, conc.: 21 µg/kg, country:
 UK⁷³², *pitta
 incidence: 1/4*, conc.: 16 µg/kg, country:
 UK⁷³², *chapatti
 incidence: ?/4*, conc. range: 3–5 µg/kg,
 country: UK⁷³², *nan
 incidence: 9/60, conc. range: 12–39 µg/kg,
 country: UK⁸³⁶
 see also barley, beer, biscuits, bran (wheat),
 cake, cereal (baby), cereals, cereals
 (breakfast), flour, flour (barley), flour
 (maize), flour (rye), flour (wheat), food,
 germ (wheat), grits (maize), grits (wheat),
 Job's-tears, maize, malt (barley), meal

(millet), millet, noodles, oat products, oats, rice, rye, snacks, sorghum, soybeans, spices (chilli sauce), spices (curry), spices (curry paste), spices (curry powder), spices (garlic), spices (ginger), spices (tandoori), wheat

OCHRATOXIN A

incidence: 1/2, conc.: 0.2 µg/kg, country: Switzerland⁵⁷⁸

incidence: 26/51, conc. range: 0.05–0.09 µg/kg (4 sa), 0.1–0.19 µg/kg (11 sa), 0.2–0.49 µg/kg (7 sa), 0.5–1.49 µg/kg (4 sa), country: Germany⁶²³

incidence: 6/8*, conc. range: 0.1–0.19 µg/kg (2 sa), 0.2–0.49 µg/kg (1 sa), 0.5–1.49 µg/kg (3 sa), country: Germany⁶²³, *toast

incidence: 4/57*, conc. range: 0.1–1 µg/kg, Ø conc.: 0.7 µg/kg, country: Germany⁶⁴⁰, *wheat and rye bread (German Mischbrot)

incidence: 4/36*, conc. range: 0.2–0.3 µg/kg, country: Germany⁶⁴⁰, *whole meal

incidence: 1/50*, conc.: 210 µg/kg, country: UK⁶⁴⁹, *moldy

incidence: 1/2*, conc.: 80,000 µg/kg, country: Italy⁶⁸⁸, *moldy, intended for animal feed

incidence: 110/125*, conc. range: ≤2.089 µg/kg, Ø conc.: 0.188 µg/kg, country: Germany⁶⁹⁰, *mixed wheat

incidence: 121/128*, conc. range: ≤2.244 µg/kg, Ø conc.: 0.245 µg/kg, country: Germany⁶⁹⁰, *mixed rye

incidence: 48/57*, conc. range: ≤1.905 µg/kg, Ø conc.: 0.111 µg/kg, country: Germany⁶⁹⁰, *white

incidence: 89/96*, conc. range: ≤5.488 µg/kg, Ø conc.: 0.219 µg/kg, country: Germany⁶⁹⁰, *rye wholemeal

incidence: 48/49*, conc. range: ≤1.757 µg/kg, Ø conc.: 0.245 µg/kg, country: Germany⁶⁹⁰, *multigrain

incidence: 98/101*, conc. range: ≤2.440 µg/kg, Ø conc.: 0.173 µg/kg, country: Germany⁶⁹⁰, *multigrain with oilseeds

incidence: 13/13*, conc. range: ≤0.401 µg/kg, Ø conc.: 0.134 µg/kg, country: Germany⁶⁹⁰, *wheat whole

incidence: 52/59*, conc. range: ≤0.584 µg/kg, Ø conc.: 0.081 µg/kg, country: Germany⁶⁹⁰, *toast

incidence: ?/4*, conc. range: 0.2–0.8 µg/kg, country: UK⁷³², *pitta

incidence: ?/4*, conc. range: 0.5–0.9 µg/kg, country: UK⁷³², *chapatti

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquorice, liquorice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry

powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

OCHRATOXIN B

incidence: 1/2*, conc.: 9600 µg/kg, country: Italy⁶⁸⁸, *moldy, intended for animal feed
see also barley, malt (barley)

T-2 TOXIN

incidence: 1/40, conc.: 1.3 µg/kg, country: Egypt⁴²⁷
incidence: 1/96*, conc.: 4 µg/kg, country: Germany⁵¹⁷, *and related products
incidence: 1/101*, conc.: 4 µg/kg, country: Germany⁵¹⁸, *includes rye, mixed rye, wheat, mixed wheat bread
see also barley, beans, beer, bran (oat), bran (wheat), cereals, cereals (breakfast), flakes (oat), flour, flour (maize), flour (wheat), food, grits (maize), maize, nuts (hazelnut), nuts (peanut), oat products, oats, rice, rye, sorghum, spices (curry), spices (ginger), spices (tandoori), sunflower seeds, wheat

ZEARALENONE

incidence: 4/40, Ø conc.: 34 µg/kg, country: Egypt⁴²⁷
incidence: 2/2* **, conc. range: 250–750 µg/kg, Ø conc.: 500 µg/kg, country: Papua, New Guinea⁵⁷⁴, *from Australia, **wheat, crumbs
incidence: 1/60, conc.: 15.8 µg/kg, country: UK⁸³⁶
see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts

(almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Breakfast cereals

see Cereals (breakfast)

Brie cheese

see Cheese

Bsissa

see Cereals

Buckwheat may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 23/123, conc. range: 0.1–4.2 µg/kg, country: Japan¹⁸⁴
see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drink, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruit products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho),

meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 23/123, conc. range: 0.1–0.9 µg/kg, country: Japan¹⁸⁴

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice,

sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 23/123, conc. range: 0.2–0.8 µg/kg, country: Japan¹⁸⁴

see also areca nut, beans, betel nut, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXIN G₂

incidence: 23/123, conc. range: tr–0.1 µg/kg, country: Japan¹⁸⁴

see also areca nut, beans, betel nut, cereals (breakfast), cocoa, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, maize, maize dough, milk (human breast), nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts

(pistachio), nuts (walnut), oil (olive), paste (soybean), popcorn, raisins, rice, sesame seeds, shoyu, soybeans, spices (cardamom), spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine

OCHRATOXIN A

incidence: 1/34, conc.: 5 µg/kg, country: Germany⁶⁴⁰

incidence: 10/23, conc. range: ≤0.594 µg/kg, Ø conc.: 0.046 µg/kg, country: Germany⁶⁹⁰

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must,noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig

blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Buckwheat meal

see Meal (buckwheat)

Burukutu

see Beer

Butter may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 2/6* **, conc. range: LOQ–2 µg/kg (1 sa), 2.5 µg/kg (1 sa), country: UK⁸³⁴, *other nut butter than peanut butter, **imported? incidence: 1/1* **, conc.: 2.9 µg/kg, country: UK⁸³⁴, *other nut butter than peanut butter, **imported?

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drink, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruit products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam

(bean), Job's-tears, jowar, kheri, juice (apple), juice (mango), kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN M₁

incidence: 52/64, conc. range: 0.01–2.2 µg/kg, country: Turkey¹²

incidence: 2/26, conc. range: ≤0.15 µg/l, country: France⁸¹

see also cheese, cheese (blue), gruel, ice cream, kidney (poultry), koshk, lactoserum powder, maize, milk, milk packets, milk powder, milk products, milk (buffalo), milk (camel), milk (cow), milk (goat), milk (human breast), milk (raw or dried, for infant

formula), milk (sheep), milk (sheep/goat), milk (UHT), milk (whey powder), yogurt

AFLATOXINS (TOTAL)

incidence: 1/6* **, conc.: 4.2 µg/kg, country: UK⁸³⁴, *other nut butter than peanut butter, **imported?

incidence: 1/1*, conc.: 4.8 µg/kg, country: UK⁸³⁴, *imported

see also beans, figs, maize, nut cereals, nuts (almond), nuts (brazil), nuts (cashew), nuts ("chico-felix"), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), paste (fig), rice, sunflower seeds

OCHRATOXIN A

incidence: 2/6* **, conc. range: 0.7–2 µg/kg, Ø conc.: 1.35 µg/kg, country: UK⁸³⁴, *other nut butter than peanut butter, **imported?

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must,

noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Butter cheese

see Cheese

Cake may contain the following mycotoxins:

DEOXYNIVALENOL

incidence: 19/40, conc. range: 11–67 µg/kg, country: UK⁸³⁶

see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

NIVALENOL

incidence: 1/40, conc.: 11 µg/kg, country: UK⁸³⁶

see also barley, beer, biscuits, bran (wheat), bread, cereal (baby), cereals, cereals (breakfast), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, germ (wheat), grits (maize), grits (wheat), Job's-tears, maize, malt (barley), meal (millet), millet, noodles, oat products, oats, rice, rye, snacks, sorghum, soybeans, spices (chilli sauce), spices (curry), spices (curry paste), spices (curry powder), spices (garlic), spices (ginger), spices (tandoori), wheat

Cake (cocoa) may contain the following mycotoxins:

OCHRATOXIN A

incidence: 74/80*, conc. range: 0.1–9 µg/kg, Ø conc.: 2.79 µg/kg, country: Indonesia²⁴³,

*and from Ivory Coast, Ghana, Malaysia, Nigeria, Ecuador, Honduras, Peru

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquorice, liquorice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt),

meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Cake (rice) may contain the following mycotoxins:

FUMONISIN B₁

incidence: 27/30, conc. range: 5–98 µg/kg, Ø conc.: 42 µg/kg, country: Korea³⁷⁴

see also arepas, asparagus,

barley, batter, beans, beer, bran (maize), bread, cereals, cereals (breakfast), chamomile, chips (maize), chips (tortilla), flakes (corn), flour (maize), food, food (baby), foodstuff, grits (maize), Incaparina, leaves, maize, maize fiber, maize muffin, maize products, maize silk, maize starch, masa, meal (maize), meal (sorghum), milk, muffin mix, nuts (peanut), pancake, popcorn, rapoko, rice, snacks, sorghum, soybeans, syrup (sorghum), tea, tortillas, wheat

Cake/muffin mixes may contain the following mycotoxins:

ZEARALENONE

incidence: 1/5, conc.: 3.1 µg/kg, country: USA⁸³¹

see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Camembert cheese

see Cheese

Camembert and brie cheese

see Cheese

Candy (peanut) may contain the following mycotoxins:

AFLATOXINS

incidence: 10/18, conc. range: ≤20 µg/kg, Ø

conc: 10 µg/kg, country: USA¹⁹⁷

incidence: 44/63*, conc. range: 0.1–5 µg/kg (2 sa), 6–10 µg/kg (14 sa), 11–20 µg/kg (6 sa), 21–35 µg/kg (8 sa), 36–40 µg/kg (3 sa), 41–60 µg/kg (4 sa), 61–80 µg/kg (2 sa), 81–150 µg/kg (2 sa), >150 µg/kg (3 sa), country: Malaysia³⁹¹, *kacang tumbuk

see also beans, candy (pistachio), cassava, figs, flour (maize), grain mixtures, grains, maize, maize dough, maize products, melon seeds, millet, nuts, nuts (almond), nuts (brazil), nuts (peanut), nuts (peanut butter), nuts (peanut mix), nuts (peanut products), nuts (pecan), nuts (pistachio), nuts (walnut), nuts and seeds, paste (peanut), paste

(pipian), peas, rice, sauce (leaf), snacks, sorghum, spices, spices (chilli), spices (cumin), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper), spices (tandoori), teff, tubers, wheat

Candy (pistachio) may contain the following mycotoxins:

AFLATOXINS

incidence: 1/1*, conc.: 78 µg/kg, country:

USA¹⁹⁷, *imported

see also beans, candy (peanut), cassava, figs, flour (maize), grain mixtures, grains, maize, maize dough, maize products, melon seeds, millet, nuts, nuts (almond), nuts (brazil), nuts (peanut), nuts (peanut butter), nuts (peanut mix), nuts (peanut products), nuts (pecan), nuts (pistachio), nuts (walnut), nuts and seeds, paste (peanut), paste (pipian), peas, rice, sauce (leaf), snacks, sorghum, spices, spices (chilli), spices (cumin), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper), spices (tandoori), teff, tubers, wheat

Canned foods

see Food

Cardamom

see Spices (cardamom)

Carrot juice

see Juice (carrot)

Cashew nuts

see Nuts (cashew)

Cassava may contain the following mycotoxins:

AFLATOXIN B₁

incidence: ?/8, conc. range: 5–14 µg/kg,

country: Nigeria¹⁷⁷

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut

cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drink, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruit products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXINS

incidence: 4*/34, conc. range: 100–1000 µg/kg (2 sa), >1000 µg/kg (2 sa), country: Uganda⁵,

* 2 sa contained AFB₁, 4 AFB₂, 2 AFG₁

see also beans, candy (peanut), candy (pistachio), figs, flour (maize), grain mixtures, grains, maize, maize dough, maize products, melon seeds, millet, nuts, nuts (almond), nuts (brazil), nuts (peanut), nuts (peanut butter), nuts (peanut mix), nuts (peanut products), nuts (pecan), nuts (pistachio), nuts (walnut), nuts and seeds, paste (peanut), paste (pipian), peas, rice, sauce (leaf), snacks, sorghum, spices, spices (chilli), spices (cumin), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper), spices (tandoori), teff, tubers, wheat

CYCLOPIAZONIC ACID

incidence: 4/43* **, conc. range: 80–720 µg/kg, Ø conc.: 430 µg/kg, country: UK⁸³⁰, *from Ghana, **kokonte (dried cassava) see also cheese, maize, milk (cow), nuts (peanut), pulp (tomato), tomato purée

PATULIN

incidence: 4/43* **, conc. range: 550–850 µg/kg, Ø conc.: 683 µg/kg, country: UK⁸³⁰, *from Ghana, **kokonte (dried cassava) see also apple cider, apple flavor, apples (stewed fruit), berries (blueberry), berries (lingonberry), berries (mulberry), berries (raspberry), berries (strawberry), cheese, food (baby), fruit products, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (pear), fruits (plum), jam, jam (apple), juice, juice (apple), juice (apple-acerola), juice (apple, concentrate), juice (cherry), juice (currant), juice (fruit), juice (grape), juice (orange), juice (peach), juice (pear), must, pulp (plum), syrup (apple), vinegar

PENICILLIC ACID

incidence: 5/43* **, conc. range: 110–850 µg/kg, Ø conc.: 302 µg/kg, country: UK⁸³⁰, *from Ghana, **kokonte (dried cassava) see also beans, cheese, maize

STERIGMATOCYSTIN

incidence: 10/43* **, conc. range: 130–1670 µg/kg, Ø conc.: 545 µg/kg, country: UK⁸³⁰, *from Ghana, **kokonte (dried cassava) see also barley, cheese, coffee, maize, nuts (almond), nuts (pecan), nuts (pistachio), oil

seed rape, rice, spices, spices (fennel), spices (pepper), wheat

TENUAZONIC ACID

incidence: 3/43* **, conc. range: 20–340 µg/kg, Ø conc.: 130 µg/kg, country: UK⁸³⁰, *from Ghana, **kokonte (dried cassava) see also bran, fruits (mandarin fruit), maize, olives, pulp (tomato), ragi, rice, sorghum, spices (pepper), sunflower seeds, tomato purée, tomatoes, wheat

Cassava flour

see Flour (cassava)

Cassava starch

see Sago

Cayenne pepper

see Spices (pepper, cayenne)

Celery seeds may contain the following mycotoxins:

AFLATOXIN G₁

incidence: 1/9*, conc.: 3.7 µg/kg, country: USA¹⁸³, *from Indonesia, Malaysia or India see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

Cereal and pulse products

see Cereals

Cereal flakes

see Flakes (cereal)

Cereal meal

see Meal (cereal)

Cereal products may contain the following mycotoxins:

FUMONISIN B₃

incidence: 3/16*, conc. range: 50.5–106 µg/kg,
Ø conc.: 80.7 µg/kg, country: USA²³⁵,

*maize-based

see also barley, cereals, flour (maize), food (baby), Incaparina, maize, meal (maize), pancake, popcorn, rice, snacks

OCHRATOXIN A

incidence: 2/7, conc. range: 0.1–0.19 µg/kg
(1 sa), 0.2–0.49 µg/kg (1 sa), country:
Germany⁶²³

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal),

meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must,noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Cereal (baby) may contain the following mycotoxins:

DEOXYNIVALENOL

incidence: 14/17, conc. range: 10–100 µg/kg
(13 sa), 177 µg/kg (1 sa), country: UK⁸³⁶

see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

HT-2 Toxin

incidence: 3/17, conc. range: 13–17 µg/kg,
country: UK⁸³⁶

see also barley, bran (oat), bran (wheat),
bread, cereals, cereals (breakfast), flakes (oat),
flour (maize), flour (wheat), food, food
(baby), germ (wheat), grits (maize), groats
(oat), maize, noodles, nuts (hazelnut), oat
products, oats, products, pumpkin seeds, rye,
spices (chilli powder), spices (curry),
sunflower seeds, wheat

NIVALENOL

incidence: 4/17, conc. range: 19–66 µg/kg,
country: UK⁸³⁶

see also barley, beer, biscuits, bran (wheat),
bread, cake, cereals, cereals (breakfast), flour,
flour (barley), flour (maize), flour (rye), flour
(wheat), food, germ (wheat), grits (maize),
grits (wheat), Job's-tears, maize, malt
(barley), meal (millet), millet, noodles, oat
products, oats, rice, rye, snacks, sorghum,
soybeans, spices (chilli sauce), spices (curry),
spices (curry paste), spices (curry powder),
spices (garlic), spices (ginger), spices
(tandoori), wheat

ZEARALENONE

incidence: 1/17, conc.: 11.6 µg/kg, country:
UK⁸³⁶

see also acha, amaranth, barley, beans,
beefburger, beer, biscuits, bran (oat), bran
(wheat), bread, cake/muffin mixes, cereals,
cereals (breakfast), cheese, crackers, flakes
(corn), flour, flour (barley), flour (maize),
flour (wheat), food, food (infant), foodstuff,
fruits, germ (wheat), grits (maize),
Job's-tears, maize, malt (barley), malt
(maize), meal (barley), meal (maize), meal
(millet), meal (rye), meal (wheat), meat,
meat (luncheon), milk, milk powder, nuts
(almond), nuts (hazelnut), nuts (peanut),
nuts (walnut), oats, oil, oil seeds, pig serum,
popcorn, products, pumpkin seeds, rice, rye,
sausages, sesame seeds, snacks, sorghum,
soybeans, spice powder, spices (chilli), spices
(chilli powder), spices (chilli sauce), spices
(coriander), spices (curry), spices (curry
paste), spices (curry powder), spices (fennel),

spices (garlic pickle), spices (pepper),
sunflower seeds, vegetables, wheat

Cereal (infant) may contain the following
mycotoxins:

FUMONISINS

incidence: 1/1*, conc.: 200 µg/kg, country:
USA³⁵⁷, *maize-based

see also beer, bread, chips (tortilla), flakes
(corn), flour (maize), grits (maize), maize,
maize pops cereal, maize products, maize
starch, maize (infant cream corn), meal
(maize), muffin mix, pasta, popcorn,
porridge, products, sorghum, tortillas

Cereals may contain the following
mycotoxins:

AFLATOXIN B₁

incidence: 6/28, conc. range: 6–92 µg/kg, Ø
conc.: 36 µg/kg, country: Egypt¹⁶²

see also acha, areca nut, bacon, barley, beans,
beefburger, beer, betel nut, bondakaledkai,
bread, buckwheat, butter, cassava, cereals
(breakfast), cheese, chestnut, chips (yam),
chocolate, cocoa, cocoa beans, cocoa hazelnut
cream, coffee beans (green), coix seed,
congressbe, cottonseed, cowpeas, dates,
drink, figs, fish, flakes (corn), flour, flour
(gram), flour (maize), flour (wheat), food,
food (infant), fruit products, fruits (apricot),
fruits (lemon), fruits (mango), Ga Kenkey,
gram, grits (maize), gruel, herbs and
medicinal plants, hot dog, Incaparina, jam
(bean), Job's-tears, jowar, juice (apple), juice
(mango), kheri, kidney (hare), kidney
(pheasant), kidney (roe deer), kubeba,
legume, lentils, linseeds, liver (hare), liver
(pheasant), liver (pig), liver (roe deer), maize,
maize and beans, maize dough, maize
products, marzipan (almond paste), mchuzi
mix, meal (cottonseed), meal (maize), meal
(peanut), meal (pistachio), meal (posho),
meat (luncheon), meju, melon seeds, milk
products, milk (buffalo), milk (camel), milk
(cow), milk (human breast), milk (sheep),
millet, muesli, nut cocktail, nuts, nuts
(almond), nuts (brazil), nuts (cashew), nuts

(coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 18/52*, conc. range: 2–10 µg/kg, country: Australia¹³, *processed
see also barley, beans, bread, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (fig), peas, phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

CITRININ

incidence: 14/38*, conc. range: 0.2–1 µg/kg, Ø conc.: 0.5 µg/kg, country: Switzerland⁷¹⁴,

*includes different kinds of meals, breadmixture, grits, pasta, bran, oat, rice, barley

see also angkak (red mold rice), barley, cheese, food, food colorant, fruits (apple), maize, maize dough, meal (copra), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), oil seed rape, olives, rice, spices, spices (cardamom), spices (coriander), spices (cumin), spices (fennel), spices (pepper), spices (turmeric), wheat

DEOXYNIVALENOL

incidence: 110/245* **, conc. range: ≤10,970 µg/kg, country: Germany²⁵⁹, *includes wheat, barley, triticale and oats, **ncac

incidence: 21/61, conc. range: ≤80 µg/kg, country: Switzerland²⁷⁶

incidence: 1/3, conc.: 16,000 µg/kg, country: USA⁴²⁴, *mixed

incidence: 329/329*, conc. range: 9–183.6 µg/kg, country: Germany⁴²⁹, *cg and og

incidence: 26/30, conc. range: 20–49 µg/kg (7 sa), 50–99 µg/kg (12 sa), 100–249 µg/kg (4 sa), 250–499 µg/kg (3 sa, with a maximum of 370 µg/kg), country: UK⁷⁷⁴

see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

3-ACETYLDEOXYNIVALENOL

incidence: 17/245* **, conc. range: ≤468 µg/kg, country: Germany²⁵⁹, *includes wheat, barley, triticale and oats, **ncac

see also barley, bread, cereals (breakfast), flakes (oat), flour (maize), flour (wheat),

food, food (baby), grits (maize), maize, oat products, oats, rice, rye, snacks, wheat

FUMONISIN B₁

incidence: 10/10* ** ***, conc. range: 13–176 µg/kg, Ø conc.: 97.5 µg/kg, country: Italy⁴⁰⁷, *from Europe, **maize-based, ***for corn flake production

incidence: 16/16* ** ***, conc. range: 134–1335 µg/kg, Ø conc.: 526 µg/kg, country: South Africa⁶¹⁵, *from Brazil, **infant, ***different ingredients

incidence: 8/8* **, conc. range: 20–350 µg/kg, Ø conc.: 257 µg/kg, country: South Africa⁷⁶³, *and cereal-based products, **from Botswana see also arepas, asparagus, barley, batter, beans, beer, bran (maize), bread, cake (rice), cereals (breakfast), chamomile, chips (maize), chips (tortilla), flakes (corn), flour (maize), food, food (baby), foodstuff, grits (maize), Incaparina, leaves, maize, maize fiber, maize muffin, maize products, maize silk, maize starch, masa, meal (maize), meal (sorghum), milk, muffin mix, nuts (peanut), pancake, popcorn, rapoko, rice, snacks, sorghum, soybeans, syrup (sorghum), tea, tortillas, wheat

FUMONISIN B₂

incidence: 10/10* ** ***, conc. range: 7–62 µg/kg, Ø conc.: 22.1 µg/kg, country: Italy⁴⁰⁷, *from Europe, **maize-based, ***for corn flake production

incidence: 10/16* ** ***, conc. range: nd–307 µg/kg, Ø conc.: 131 µg/kg, country: South Africa⁶¹⁵, *from Brazil, **infant, ***different ingredients

incidence: 4/8* **, conc. range: 50–105 µg/kg, Ø conc.: 78.8 µg/kg, country: South Africa⁷⁶³, *and cereal-based products, **from Botswana see also arepas, asparagus, barley, batter, beer, bran (maize), cereals (breakfast), chips (maize), chips (tortilla), flakes (corn), flour (maize), food (baby), foodstuff, grits (maize), Incaparina, maize, maize fiber, maize starch, masa, meal (maize), muffin mix, pancake, popcorn, rice, snacks, tortillas, wheat

FUMONISIN B₃

incidence: 10/16* ** ***, conc. range: nd–111 µg/kg, Ø conc.: 69 µg/kg, country: South Africa⁶¹⁵, *from Brazil, **infant, ***different ingredients

incidence: 3/8* **, conc. range: 40–70 µg/kg, Ø conc.: 46.7 µg/kg, country: South Africa⁷⁶³, *and cereal-based products, **from Botswana see also barley, cereal products, flour (maize), food (baby), Incaparina, maize, meal (maize), pancake, popcorn, rice, snacks

HT-2 TOXIN

incidence: 15/65* **, conc. range: ≤236 µg/kg, country: Germany²⁵⁹, *includes wheat, barley, triticale and oats, **ncac see also barley, bran (oat), bran (wheat), bread, cereal (baby), cereals (breakfast), flakes (oat), flour (maize), flour (wheat), food, food (baby), germ (wheat), grits (maize), groats (oat), maize, noodles, nuts (hazelnut), oat products, oats, products, pumpkin seeds, rye, spices (chilli powder), spices (curry), sunflower seeds, wheat

NIVALENOL

incidence: 7/245* **, conc. range: ≤256 µg/kg, country: Germany²⁵⁹, *includes wheat, barley, triticale and oats, **ncac see also barley, beer, biscuits, bran (wheat), bread, cake, cereal (baby), cereals (breakfast), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, germ (wheat), grits (maize), grits (wheat), Job's-tears, maize, malt (barley), meal (millet), millet, noodles, oat products, oats, rice, rye, snacks, sorghum, soybeans, spices (chilli sauce), spices (curry), spices (curry paste), spices (curry powder), spices (garlic), spices (ginger), spices (tandoori), wheat

OCHRATOXIN A

incidence: 2/49, conc. range: 18–22 µg/kg, Ø conc.: 20 µg/kg, country: GDR¹⁷⁸ incidence: 3/49, conc. range: 0.2–0.49 µg/kg (2 sa), 0.5–1.49 µg/kg (1 sa), country: Germany⁶²³ incidence: 8/11, conc. range: 0.6–12.8 µg/kg, Ø conc.: 4.7 µg/kg, country: France⁶³⁰

incidence: 11/11*, conc. range: 0.4–12,770 µg/kg, country: Tunisia⁶³⁴, *mixed cereal food (bsissa)

incidence: 5/30, conc. range: 0.3–0.9 µg/kg (2 sa), 1–2.4 µg/kg (2 sa), 3.9 µg/kg (1 sa), country: UK⁷⁷⁴

incidence: 20/296*, conc. range: 20–470 µg/kg, country: Poland⁸²², *ncac

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquorice, liquorice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must,noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice

powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

DIACETOXYSCIRPENOL

incidence: 23/65* **, conc. range: ≤338 µg/kg, country: Germany²⁵⁹, *includes wheat, barley, triticale and oats, **ncac
see also beans, beer, bran (wheat), maize, nuts (peanut), oats, products, rice, soybeans, spices (chilli powder), spices (curry), wheat

T-2 TOXIN

incidence: 8/65* **, conc. range: ≤119 µg/kg, country: Germany²⁵⁹, *includes wheat, barley, triticale and oats, **ncac

incidence: 13/50*, conc. range: 450–1900 µg/kg, country: Turkey³³⁶, *and pulse products

see also barley, beans, beer, bran (oat), bran (wheat), bread, cereals (breakfast), flakes (oat), flour, flour (maize), flour (wheat), food, grits (maize), maize, nuts (hazelnut), nuts (peanut), oat products, oats, rice, rye, sorghum, spices (curry), spices (ginger), spices (tandoori), sunflower seeds, wheat

ZEARALENONE

incidence: 12/245* **, conc. range: ≤67 µg/kg, country: Germany²⁵⁹, *includes wheat, barley, triticale and oats, **ncac

incidence: 3/61, conc. range: ≤16 µg/kg, country: Switzerland²⁷⁶

incidence: 2/3*, conc. range: 12–50 µg/kg, Ø conc.: 31 µg/kg, country: USA⁴²⁴, *mixed
incidence: 3/584*, conc. range: 200–1200 µg/kg, Ø conc.: 700 µg/kg, country: Poland⁴³⁵, *includes wheat, barley, rye, maize
incidence: 1/8* **, conc.: 100 µg/kg, country: South Africa⁷⁶³, *and cereal-based products, **from Botswana

see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Cereals (breakfast) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 31/45*, conc. range: 0.002–0.818 µg/kg, country: Canada⁵⁵⁹, *maize-based incidence: 42/55*, conc. range: 0.002–0.255 µg/kg, country: Canada⁵⁵⁹, *mixed-grain incidence: 12/24*, conc. range: 0.002–0.109 µg/kg, country: Canada⁵⁵⁹, *rice-based incidence: 2/48*, conc. range: 0.008–0.020 µg/kg, country: Canada⁵⁵⁹, *wheat-based see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drink, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruit products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe

deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 20/45*, conc. range: 0.002–0.136 µg/kg, country: Canada⁵⁵⁹, *maize-based incidence: 23/55*, conc. range: 0.002–0.045 µg/kg, country: Canada⁵⁵⁹, *mixed-grain incidence: 6/24*, conc. range: 0.002–0.006 µg/kg, country: Canada⁵⁵⁹, *rice-based see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean),

Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 6/45*, conc. range: 0.008–0.271 µg/kg, country: Canada⁵⁵⁹, *maize-based
incidence: 6/55*, conc. range: 0.015–0.104 µg/kg, country: Canada⁵⁵⁹, *mixed-grain
see also areca nut, beans, betel nut, buckwheat, celery seeds, cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices

(pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXIN G₂

incidence: 2/45*, conc. range: 0.008–0.048 µg/kg, country: Canada⁵⁵⁹, *maize-based
incidence: 1/55*, conc.: 0.018 µg/kg, country: Canada⁵⁵⁹, *mixed-grain
see also areca nut, beans, betel nut, buckwheat, cocoa, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, maize, maize dough, milk (human breast), nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), paste (soybean), popcorn, raisins, rice, sesame seeds, shoyu, soybeans, spices (cardamom), spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine

DEOXYNIVALENOL

incidence: 18/32, conc. range: 15–238 µg/kg, Ø conc.: 75 µg/kg, country: Germany⁵¹⁷
incidence: 14/25*, conc. range: ≤530 µg/kg, country: USA⁵⁴⁵, *wheat
incidence: 10/24*, conc. range: ≤210 µg/kg, country: USA⁵⁴⁵, *corn & grits
incidence: 10/10*, conc. range: 30–160 µg/kg, country: USA⁵⁴⁵, *bran
incidence: 42/60, conc. range: 10–100 µg/kg (30 sa), >100–250 µg/kg (10 sa), >500–750 µg/kg (1 sa), 2261 µg/kg (1 sa), country: UK⁸³⁶

see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt

(barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

3-ACETYDEOXYNIVALENOL

incidence: 4/32, conc. range: 16–40 µg/kg, Ø conc.: 25 µg/kg, country: Germany⁵¹⁷
 incidence: 2/60, conc. range: 11–36 µg/kg, Ø conc.: 23.5 µg/kg, country: UK⁸³⁶
 see also barley, bread, cereals, flakes (oat), flour (maize), flour (wheat), food, food (baby), grits (maize), maize, oat products, oats, rice, rye, snacks, wheat

15-ACETYDEOXYNIVALENOL

incidence: 9/32, conc. range: 15–37 µg/kg, Ø conc.: 23 µg/kg, country: Germany⁵¹⁷
 incidence: 8/60, conc. range: 10–100 µg/kg (6 sa), >100–250 µg/kg (1 sa), 806 µg/kg (1 sa), country: UK⁸³⁶
 see also barley, bran (oat), bran (wheat), flour (maize), flour (wheat), food, grits (maize), maize, noodles, oat products, oats, snacks, wheat

FUMONISIN B₁

incidence: 3/4*, conc. range: 18–237 µg/kg, Ø conc.: 117 µg/kg, country: Canada⁶¹⁴,
 *maize-based
 see also arepas, asparagus, barley, batter, beans, beer, bran (maize), bread, cake (rice), cereals, chamomile, chips (maize), chips (tortilla), flakes (corn), flour (maize), food, food (baby), foodstuff, grits (maize), Incaparina, leaves, maize, maize fiber, maize muffin, maize products, maize silk, maize starch, masa, meal (maize), meal (sorghum), milk, muffin mix, nuts (peanut), pancake, popcorn, rapoko, rice, snacks, sorghum, soybeans, syrup (sorghum), tea, tortillas, wheat

FUMONISIN B₂

incidence: 1/4*, conc.: 21 µg/kg, country: Canada⁶¹⁴, *maize-based

see also arepas, asparagus, barley, batter, beer, bran (maize), cereals, chips (maize), chips (tortilla), flakes (corn), flour (maize), food (baby), foodstuff, grits (maize), Incaparina, maize, maize fiber, maize starch, masa, meal (maize), muffin mix, pancake, popcorn, rice, snacks, tortillas, wheat

FUMONISINS (B₁, B₂, B₃)

incidence: 12/50, conc. range: 11–194 µg/kg, country: UK³⁸³
 see also bran (maize), flour, flour (maize), germ (maize), grains, grits (maize), maize, maize-based thickeners, popcorn, snacks, tortillas

FUSARENON X

incidence: 1/60, conc.: 34 µg/kg, country: UK⁸³⁶
 see also flour (maize), food, maize, oat products, spices (curry), spices (garlic)

HT-2 TOXIN

incidence: 10/32, conc. range: 12–22 µg/kg, Ø conc.: 13 µg/kg, country: Germany⁵¹⁷
 incidence: 7/60, conc. range: 11–77 µg/kg, country: UK⁸³⁶
 see also barley, bran (oat), bran (wheat), bread, cereal (baby), cereals, flakes (oat), flour (maize), flour (wheat), food, food (baby), germ (wheat), grits (maize), groats (oat), maize, noodles, nuts (hazelnut), oat products, oats, products, pumpkin seeds, rye, spices (chilli powder), spices (curry), sunflower seeds, wheat

NEOSOLANOL

incidence: 1/60, conc.: 11 µg/kg, country: UK⁸³⁶
 see also maize, oat products, sorghum, spices (curry), spices (ginger), wheat

NIVALENOL

incidence: 26/60, conc. range: 10–100 µg/kg (21 sa), >100–250 µg/kg (4 sa), 260 µg/kg (1 sa), country: UK⁸³⁶
 see also barley, beer, biscuits, bran (wheat), bread, cake, cereal (baby), cereals, flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, germ (wheat), grits (maize), grits (wheat), Job's-tears, maize, malt

(barley), meal (millet), millet, noodles, oat products, oats, rice, rye, snacks, sorghum, soybeans, spices (chilli sauce), spices (curry), spices (curry paste), spices (curry powder), spices (garlic), spices (ginger), spices (tandoori), wheat

OCHRATOXIN A

incidence: 3/5, conc. range: 1.51–5.35 µg/kg, Ø conc.: 2.91 µg/kg, country: Spain²³²
 incidence: 65/85*, conc. range: ≤0.94 µg/kg, country: Germany⁵⁹², *barley-based
 incidence: 11/11*, conc. range: ≤0.975 µg/kg, Ø conc.: 0.362 µg/kg, country: Spain⁶⁰⁹, *high fiber content
 incidence: 8/10*, conc. range: ≤0.368 µg/kg, country: Spain⁶⁰⁹, *normal fiber content
 incidence: 7/22*, conc. range: 0.2–0.5 µg/kg (4 sa), 0.6–1 µg/kg (2 sa), 1.9 µg/kg (1 sa), country: UK⁷⁴⁰, *raw materials
 see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew),

nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

T-2 TOXIN

incidence: 2/32, conc. range: 4–7 µg/kg, Ø conc.: 6 µg/kg, country: Germany⁵¹⁷
 incidence: 1/60, conc.: 31 µg/kg, country: UK⁸³⁶

see also barley, beans, beer, bran (oat), bran (wheat), bread, cereals, flakes (oat), flour, flour (maize), flour (wheat), food, grits (maize), maize, nuts (hazelnut), nuts (peanut), oat products, oats, rice, rye, sorghum, spices (curry), spices (ginger), spices (tandoori), sunflower seeds, wheat

ZEARALENONE

incidence: 4/39, conc. range: 2.6–8.6 µg/kg, Ø conc.: 4.6 µg/kg, country: USA⁸³¹
 incidence: 11/60, conc. range: 8–25 µg/kg (6 sa), 25.1–50 µg/kg (2 sa), 50.1–75 µg/kg (1 sa), >100 µg/kg (2 sa, with a maximum of 231.8 µg/kg), country: UK⁸³⁶
 see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits,

germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Chamomile may contain the following mycotoxins:

FUMONISIN B₁

incidence: 8/18, conc. range: 20–70 µg/kg, country: Portugal³¹⁰

see also arepas, asparagus, barley, batter, beans, beer, bran (maize), bread, cake (rice), cereals, cereals (breakfast), chips (maize), chips (tortilla), flakes (corn), flour (maize), food, food (baby), foodstuff, grits (maize), Incaparina, leaves, maize, maize fiber, maize muffin, maize products, maize silk, maize starch, masa, meal (maize), meal (sorghum), milk, muffin mix, nuts (peanut), pancake, popcorn, rapoko, rice, snacks, sorghum, soybeans, syrup (sorghum), tea, tortillas, wheat

Cheddar cheese

see Cheese

Cheshire cheese

see Cheese

Cheese may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 2/248, conc.: 1 µg/kg, country: Tunisia²⁰

incidence: 1/10*, conc.: 10 µg/kg, country: Egypt²²¹, *Ras

incidence: 3/19*, conc. range: 68–212 µg/kg, Ø conc.: 156 µg/kg, country: India⁶⁰¹,

*Bhutanese

incidence: 1/20*, conc.: 104 µg/kg, country: Egypt⁶¹¹, *cottage

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drink, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruit products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger),

spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 1/19*, conc.: 56 µg/kg, country: India⁶⁰¹, *Bhutanese

incidence: 1/20*, conc.: 89 µg/kg, country: Egypt⁶¹¹, *cottage

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices (chilli), spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 1/10*, conc.: 4 µg/kg, country: Egypt²²¹, *Ras

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears,

juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXIN M₁

incidence: 27/80*, conc. range: 0.1–0.51 µg/kg, Ø conc.: 0.23 µg/kg, country:

Germany⁵, *fresh

incidence: 58/77*, conc. range: 0.1–1.3 µg/kg, Ø conc.: 0.43 µg/kg, country: Germany⁶, *hard

incidence: 33/65*, conc. range: 0.1–0.73 µg/kg, Ø conc.: 0.31 µg/kg, country:

Germany⁶, Camembert & Brie

incidence: 54/134*, conc. range: 0.1–0.55 µg/kg, Ø conc.: 0.26 µg/kg, country:

Germany⁶, *farmer's

incidence: 4/4*, conc. range: tr (1 sa), <0.1 µg/kg (2 sa), >0.1 µg/kg (1 sa), country:

Germany⁷, *Chester

incidence: 3/7*, conc. range: tr (2 sa), >0.1 µg/kg (1 sa), country: Germany⁷, *wine

incidence: 6/7*, conc. range: tr (4 sa), <0.1 µg/kg (2 sa), country: Germany⁷, *butter

incidence: 19/38, conc. range: tr (14 sa), <0.1 µg/kg (2 sa), >0.1 µg/kg (3 sa), country:

Germany⁷, *Camembert

incidence: 31/32*, conc. range: tr (11 sa), <0.1 µg/kg (16 sa), >0.1 µg/kg (4 sa),

country: Germany⁷, *Edam

incidence: 35/50*, conc. range: tr (19 sa),

<0.1 µg/kg (8 sa), >0.1 µg/kg (8 sa), country: Germany⁷, *Romadur

incidence: 18/24*, conc. range: tr (7 sa), <0.1 µg/kg (10 sa), >0.1 µg/kg (1 sa), country: Germany⁷, *Tilsit

incidence: 121/186*, conc. range: 0.04–4.89 µg/kg, country: Turkey¹², *white

incidence: 18/200*, conc. range: 0.035–0.190 µg/kg, country: Italy¹⁵, *Parmesan

incidence: 2/248, conc. range: 6.2–10.6 µg/kg, country: Tunisia²⁰

incidence: 10/60, conc. range: 0.06–0.25 µg/kg (7 sa), 0.37–0.89 µg/kg (3 sa), country: Canada²⁶

incidence: 4/36, conc. range: 0.010–0.068 µg/kg, Ø conc.: 0.033 µg/kg, country: Japan⁷¹

incidence: 4/4* **, conc. range: 0.015–0.030 µg/kg, Ø conc.: 0.020 µg/kg, country: Japan⁷¹, *from UK, **cheddar

incidence: 6/6* **, conc. range: 0.058–0.414 µg/kg, Ø conc.: 0.195 µg/kg, country: Japan⁷¹, *from Denmark, **Brie

incidence: 6/14* **, conc. range: 0.055–0.714 µg/kg, Ø conc.: 0.177 µg/kg, country: Japan⁷¹, *from France, **Brie

incidence: 2/2* **, conc. range: 0.024–0.029 µg/kg, Ø conc.: 0.0265 µg/kg, country: Japan⁷¹, *from Germany, **Brie

incidence: 5/5* **, conc. range: 0.025–0.041 µg/kg, Ø conc.: 0.037 µg/kg, country: Japan⁷¹, *from Germany, **butter

incidence: 7/7*, conc. range: 0.055–0.479 µg/kg, country: Japan⁷¹, *from Denmark, **Camembert

incidence: 18/25, conc. range: 0.013–0.565 µg/kg, Ø conc.: 0.173 µg/kg, country: Japan⁷¹, *from France, **Camembert

incidence: 1/1*, conc.: 0.018 µg/kg, country: Japan⁷¹, *from Germany, **Camembert

incidence: 9/9* **, conc. range: 0.037–0.134 µg/kg, Ø conc.: 0.079 µg/kg, country: Japan⁷¹, *from Denmark, **cream

incidence: 4/4* **, conc. range: 0.073–0.117 µg/kg, Ø conc.: 0.099 µg/kg, country: Japan⁷¹, *from The Netherlands, **Edam

incidence: 9/9* **, conc. range: 0.039–0.087 µg/kg, Ø conc.: 0.063 µg/kg, country: Japan⁷¹, *from The Netherlands, **Gouda

incidence: 3/3* **, conc. range: 0.125–0.388 µg/kg, Ø conc.: 0.290 µg/kg, country: Japan⁷¹, *from Denmark, **Havarti

incidence: 3/3* **, conc. range: 0.087–0.412 µg/kg, Ø conc.: 0.264 µg/kg, country: Japan⁷¹, *from Denmark, **Maribo

incidence: 4/4* **, conc. range: 0.181–0.433 µg/kg, Ø conc.: 0.334 µg/kg, country: Japan⁷¹, *from Denmark, **Mozzarella

incidence: 5/5* **, conc. range: 0.028–0.252 µg/kg, Ø conc.: 0.091 µg/kg, country: Japan⁷¹, *from Germany, **Mozzarella

incidence: 5/5* **, conc. range: 0.070–0.504 µg/kg, Ø conc.: 0.214 µg/kg, country: Japan⁷¹, *from Denmark, **Samsoe

incidence: 9/279*, conc. range: 0.4–1.1 µg/kg, Ø conc.: 0.8 µg/kg, country: Japan⁷⁸, *imported

incidence: 102/343, conc. range: ≤5.2 µg/kg, country: France⁸¹

incidence: 33/91, conc. range: 0.5–? µg/kg, country: Switzerland⁸³

incidence: 8/118*, conc. range: 0.1–1.0 µg/kg, Ø conc.: 0.4 µg/kg, country: USA⁸⁴, *imported

incidence: 2/4, conc. range: 0.02–0.04 µg/kg, country: Italy⁸⁵

incidence: 4/50, conc. range: 0.05–0.1 µg/kg, country: Italy¹⁰⁵

incidence: 6/29*, conc. range: 0.005–0.066 µg/kg, country: Czechoslovakia¹¹⁴, *Edam

incidence: 7/10*, conc. range: 0.2–1.14 µg/kg, Ø conc.: 0.56 µg/kg, country: Italy¹¹⁶, *Parmesan

incidence: 1/100*, conc.: tr, country: France¹¹⁷, *Camembert

incidence: 219/223*, conc. range: 0.005–0.100 µg/kg (203 sa), 0.101–0.250 µg/kg (15 sa), >0.250 µg/kg (1 sa with a maximum of 0.37 µg/kg), country: Italy¹⁴¹, *Grana Padano

incidence: 16/82*, conc. range: 0.005–0.05 µg/kg (9 sa), 0.051–0.100 µg/kg (1 sa), 0.101–0.250 µg/kg (4 sa), 0.251–0.400 µg/kg (2 sa), country: Italy¹⁴², *from France

incidence: 9/34*, conc. range: 0.005–0.05 µg/kg (8 sa), 0.051–0.100 µg/kg (1 sa), country: Italy¹⁴², *from Germany

incidence: 23/43*, conc. range: 0.005–0.05 µg/kg (4 sa), 0.051–0.100 µg/kg (8 sa), 0.101–0.250 µg/kg (11 sa), country: Italy¹⁴², *from The Netherlands

- incidence: 26/98*, conc. range: 0.05–0.54 µg/kg, Ø conc.: 0.0929 µg/kg, country: Italy²⁰⁷, *cow
- incidence: 2/23*, conc. range: 0.09–0.25 µg/kg, Ø conc.: 0.17 µg/kg, country: Italy²⁰⁷, *goat
- incidence: 16/94*, conc. range: 0.05–0.21 µg/kg, Ø conc.: 0.0953 µg/kg, country: Italy²⁰⁷, *sheep
- incidence: 6/17*, conc. range: 0.05–0.14 µg/kg, Ø conc.: 0.0833 µg/kg, country: Italy²⁰⁷, *sheep–goat
- incidence: 8/85*, conc. range: 0.05–0.203 µg/kg, Ø conc.: 0.0954 µg/kg, country: Italy²⁰⁷, *buffalo
- incidence: 1/10*, conc.: 0.5 µg / l, country: Egypt²²¹, *Domiati
- incidence: 2/10*, conc. range: 3–6 µg/kg, Ø conc.: 4.6 µg/kg, country: Egypt²²¹, *Ras
- incidence: 46/51*, conc. range: ≤0.81 µg/kg, country: Turkey²²⁶
- incidence: 56/75* ** ***, conc. range: 0.02–6.92 µg/kg, Ø conc.: 0.08 µg/kg, country: Brazil²⁷¹, *standard, **fresh, **Canastra,
- incidence: 5/9* **, conc. range: 20–72 µg/kg, Ø conc.: 42.6 µg/kg, country: Spain²⁸⁷, *fresh, **made of different types of milk
- incidence: 5/9* **, conc. range: 20–130 µg/kg, Ø conc.: 73.8 µg/kg, country: Spain²⁸⁷, *semiripened, **made of different types of milk
- incidence: 6/17* **, conc. range: 20–200 µg/kg, Ø conc.: 105.33 µg/kg, country: Spain²⁸⁷, *ripened, **made of different types of milk
- incidence: 85/100*, conc. range: 0.051–0.15 µg/kg (42 sa), 0.151–0.25 µg/kg (9 sa), 0.251–0.45 µg/kg (13 sa), 0.451–0.65 µg/kg (8 sa), 0.651–0.8 µg/kg (9 sa), >0.8 µg/kg (4 sa), country: Turkey²⁹⁸, *Kashar
- incidence: 79/100*, conc. range: 0.051–0.15 µg/kg (30 sa), 0.151–0.25 µg/kg (24 sa), 0.251–0.45 µg/kg (16 sa), 0.451–0.65 µg/kg (9 sa), country: Turkey²⁹⁸, *processed
- incidence: 81/100*, conc. range: 0.051–0.15 µg/kg (41 sa), 0.151–0.25 µg/kg (16 sa), 0.251–0.45 µg/kg (18 sa), 0.451–0.65 µg/kg (5 sa), >0.8 µg/kg (1 sa), country: Turkey²⁹⁸, *tulum
- incidence: 82/100*, conc. range: 0.051–0.15 µg/kg (44 sa), 0.151–0.25 µg/kg (11 sa), 0.251–0.45 µg/kg (18 sa), 0.451–0.65 µg/kg (7 sa), 0.651–0.8 µg/kg (2 sa), country: Turkey²⁹⁸, *white
- incidence: 1/1* **, conc.: 0.312 µg/kg, country: Japan⁶⁸³, *imported?, **Camembert
- incidence: 2/2* **, conc. range: 0.064–0.087 µg/kg, Ø conc.: 0.076 µg/kg, country: Japan⁶⁸³, *imported?, **cream
- incidence: 1/1* **, conc.: 0.051 µg/kg, country: Japan⁶⁸³, *imported?, **Gouda
- incidence: 1/1* **, conc.: 0.448 µg/kg, country: Japan⁶⁸³, *imported?, **Münster
- incidence: 12/12*, conc. range: 0.02–0.05 µg/kg (8 sa), 0.06–0.1 µg/kg (4 sa, with a maximum of 0.09 µg/kg), country: UK⁷³⁵, *cheddar
- incidence: 13/13*, conc. range: 0.02–0.05 µg/kg (3 sa), 0.06–0.1 µg/kg (5 sa), 0.11–0.2 µg/kg (5 sa, with a maximum of 0.17 µg/kg), country: UK⁷³⁵, *Cheshire
- incidence: 13/13*, conc. range: 0.02–0.05 µg/kg (4 sa), 0.06–0.1 µg/kg (8 sa), 0.13 µg/kg (1 sa), country: UK⁷³⁵, *Double Gloucester
- incidence: 11/11*, conc. range: 0.02–0.05 µg/kg (1 sa), 0.06–0.1 µg/kg (5 sa), 0.11–0.2 µg/kg (4 sa), 0.21 µg/kg (1 sa), country: UK⁷³⁵, *Lancashire
- incidence: 13/13*, conc. range: 0.02–0.05 µg/kg (6 sa), 0.06–0.1 µg/kg (7 sa, with a maximum of 0.09 µg/kg), country: UK⁷³⁵, *Leicester
- incidence: 11/11*, conc. range: 0.02–0.05 µg/kg (2 sa), 0.06–0.1 µg/kg (5 sa), 0.11–0.2 µg/kg (3 sa), 0.22 µg/kg (1sa), country: UK⁷³⁵, *Wensleydale
- incidence: 26/35*, conc. range: ≤0.79 µg/kg, country: Turkey⁸⁵⁸, *Turkish white
- incidence: 35/35*, conc. range: 0.015–0.585 µg/kg, country: Turkey⁸⁵⁸, *fresh kashar
- incidence: 25/25*, conc. range: 0.036–0.129 µg/kg, country: Turkey⁸⁵⁸, *old kashar
- incidence: 14/20*, conc. range: ≤0.372 µg/kg, country: Turkey⁸⁵⁸, *Gravyer
- incidence: 10/15*, conc. range: ≤0.358 µg/kg, country: Turkey⁸⁵⁸, *cream

see also butter, cheese (blue), gruel, ice cream, kidney (poultry), koshk, lactosерum powder, maize, milk, milk packets, milk powder, milk products, milk (buffalo), milk (camel), milk (cow), milk (goat), milk (human breast), milk (raw or dried, for infant formula), milk (sheep), milk (sheep/goat), milk (UHT), milk (whey powder), yogurt

CITRININ

incidence: 6/19*, conc. range: 74–224 µg/kg, Ø conc.: 125 µg/kg, country: India⁶⁰¹,

*Bhutanese

incidence: 17/44*, conc. range: ≤50 µg/kg,

country: UK⁷⁷³, *retail, domestic

see also angkak (red mold rice), barley, cereals, food, food colorant, fruits (apple), maize, maize dough, meal (copra), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), oil seed rape, olives, rice, spices, spices (cardamom), spices (coriander), spices (cumin), spices (fennel), spices (pepper), spices (turmeric), wheat

CYCLOPIAZONIC ACID

incidence: 11/20*, conc. range: 0.05–0.1 µg/kg (3 sa), 0.1–0.2 µg/kg (5 sa), 0.2–1.5 µg/kg (3 sa), country: France⁷¹⁶, *crusts

incidence: 3/14* **, conc. range: 80–370

µg/kg, Ø conc.: 233 µg/kg, country: Switzerland⁸⁰⁴, *and from France, **white mold

see also cassava, maize, milk (cow), nuts (peanut), pulp (tomato), tomato purée

MYCOPHENOLIC ACID

incidence: 6/15*, conc. range: 10–100 µg/kg (1 sa), 100–1000 µg/kg (3 sa), 1000–5000 µg/kg (2 sa), country: France⁷¹⁸, *industrial French

incidence: 3/6, conc. range: 10–100 µg/kg

(1 sa), 100–1000 µg/kg (2 sa), country:

France⁷¹⁸, *Bleu des Causses

incidence: 52/235*, conc. range: 10–100 µg/kg (12 sa), 100–1000 µg/kg (14 sa), 1000–5000 µg/kg (17 sa), 5000–10,000 µg/kg (5 sa),

10,000–15,000 µg/kg (4 sa),

country: France⁷⁹⁵, *different varieties

see also cheese (blue)

OCHRATOXIN A

incidence: 2/33, conc. range: ≤0.11 µg/kg, country: Germany⁵⁹²

incidence: 8/38*, conc. range: ≤0.86 µg/kg,

country: Germany⁵⁹², *with ingredients

incidence: 12/92* **, conc. range: ≤0.06 µg/kg, country: Germany⁵⁹², *and yogurt with ingredients, **fresh

incidence: 5/19*, conc. range: 42–116 µg/kg,

Ø conc.: 84.2 µg/kg, country: India⁶⁰¹,

*Bhutanese

incidence: 18/44*, conc. range: ≤260 µg/kg,

country: UK⁷⁷³, *retail, domestic, wholesale

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork,

pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

OCHRATOXINS (A, B)

incidence: 1/20*, conc.: 112 µg/kg, country: Egypt⁶¹¹, *cottage

PATULIN

incidence: 6/235*, conc. range: 30–355 µg/kg, country: France⁷⁹⁵, *different varieties
see also apple cider, apple flavor, apples (stewed fruit), berries (blueberry), berries (lingonberry), berries (mulberry), berries (raspberry), berries (strawberry), cassava, food (baby), fruit products, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (pear), fruits (plum), jam, jam (apple), juice, juice (apple), juice (apple-acerola), juice (apple, concentrate), juice (cherry), juice (currant), juice (fruit), juice (grape), juice (orange), juice (peach), juice (pear), must, pulp (plum), syrup (apple), vinegar

PENICILLIC ACID

incidence: 12/235*, conc. range: tr–820 µg/kg, country: France⁷⁹⁵, *different varieties
see also beans, cassava, maize

PENITREM A

incidence: 1/1* **, conc.: nc, country: USA⁸⁰⁰, *visible moldy, **cream

STERIGMATOCYSTIN

incidence: 35/100* **, conc. range: 14.9–32.8 µg/kg, Ø conc.: 23.5 µg/kg, country: Egypt⁷⁵³, *Ras, **outer surface layer (1 cm)
incidence: 3/66* **, conc. range: 7.5–17.5 µg/kg, Ø conc.: 10.8 µg/kg,

country: Czechoslovakia⁷⁵⁴, *hard, **outer surface layer (1cm)
incidence: 9/39*, conc. range: 5–600 µg/kg* **, Ø conc.: 80.7 µg/kg,
country: The Netherlands⁷⁵⁵, *hard, **outer surface layer (1 cm), ***estimated
incidence: 3/235*, conc. range: 45–330 µg/kg, Ø conc.: 167 µg/kg,
country: France⁷⁹⁵, *different varieties
see also barley, cassava, coffee, maize, nuts (almond), nuts (pecan), nuts (pistachio), oil seed rape, rice, spices, spices (fennel), spices (pepper), wheat

ZEARALENONE

incidence: 5/20*, conc. range: 4.8–13.1 µg/kg, Ø conc.: 10.4 µg/kg, country: Egypt⁴⁴³, *Hard Roume
incidence: 6/25*, conc. range: 2.2–11.2 µg/kg, Ø conc.: 8.9 µg/kg, country: Egypt⁴⁴³,

*Kariesh

see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Cheese (blue) may contain the following mycotoxins:

AFLATOXIN M₁

incidence: 5/5, conc. range: tr (4 sa), <0.1 µg/kg (1 sa), country: Germany⁷

incidence: 7/7*, conc. range: 0.084–0.556 µg/kg, Ø conc.: 0.233 µg/kg, country: Japan⁷¹, *from Denmark

see also butter, cheese, gruel, ice cream, kidney (poultry), koshk, lactoserum powder, maize, milk, milk packets, milk powder, milk products, milk (buffalo), milk (camel), milk (cow), milk (goat), milk (human breast), milk (raw or dried, for infant formula), milk (sheep), milk (sheep/goat), milk (UHT), milk (whey powder), yogurt

ISOFUMIGACLAVINE A

incidence: 5/12* **, conc. range: 20–4700 µg/kg, country: Canada⁸⁰⁵, *from Denmark, England, Finland, France, Italy, W. Germany, **includes “mold-free” and “high-mold” sa

ISOFUMIGACLAVINE B

incidence: 6/12* **, conc. range: tr, country: Canada⁸⁰⁵, *from Denmark, England, Finland, France, Italy, W. Germany, **includes “mold-free” and “high-mold” sa

MYCOPHENOLIC ACID

incidence: 21/25, conc. range: 10–100 µg/kg (1 sa), 100–1000 µg/kg (2 sa), 1000–5000 µg/kg (10 sa), 5000–10,000 µg/kg (5 sa), 10,000–15,000 µg/kg (3 sa, with a maximum of 14,300 µg/kg), country: France⁷¹⁸

incidence: 3/12*, conc. range: 10–100 µg/kg, country: France⁷¹⁸, *Gorgonzola

incidence: 3/12*, conc. range: 10–100 µg/kg (2 sa), 100–1000 µg/kg (1 sa), country: France⁷¹⁸, *German blue

incidence: 2/2*, conc. range: 1000–5000 µg/kg (2 sa), country: France⁷¹⁸, *melted
see also cheese

PR IMINE

incidence: 10/60, conc. range: 19–42 µg/kg, country: Canada⁸¹⁴

ROQUEFORTINE

incidence: 2/2* **, conc. range: 210–650 µg/kg, Ø conc.: 430 µg/kg, country: Italy³⁰⁸, *Great Britain, Ireland, **Stilton

incidence: 13/13*, conc. range: 200–2290 µg/kg, Ø conc.: 932 µg/kg, country: Switzerland⁸⁰⁴, *and from Denmark, France, Italy

incidence: 10/12* **, conc. range: 60–6800 µg/kg, country: Canada⁸⁰⁵, *from Denmark, England, Finland, France, Italy, W. Germany, **includes “mold-free” and “high-mold” sa

incidence: 12/12, conc. range: 162–651 µg/kg, Ø conc.: 424 µg/kg, country: USA⁸²⁹

incidence: 2/2*, conc. range: 18–72 µg/kg, Ø conc.: 45 µg/kg, country: USA⁸²⁹, *dressing

ROQUEFORTINE C

incidence: 3/3*, conc. range: 50–690 µg/kg, Ø conc.: 420 µg/kg, country: Italy³⁰⁸, *from France, Greece

incidence: 3/3* **, conc. range: 970–1470 µg/kg, Ø conc.: 1257 µg/kg, country: Italy³⁰⁸, *from Denmark, Iceland, **Danablu

incidence: 2/2* **, conc. range: 240–300 µg/kg, Ø conc.: 270 µg/kg, country: Italy³⁰⁸, *from Austria, Germany, **Edelpilzkäse

incidence: 20/20*, conc. range: 70–1440 µg/kg, Ø conc.: 367 µg/kg, country: Italy³⁰⁸, *Gorgonzola

Cheese crust

see Cheese

Cherry

see Fuits (cherry)

Chester cheese

see Cheese

Chestnut may contain the following mycotoxins:

AFATOXIN B₁

incidence: 10/118, conc. range: <0.4 µg/kg, country: Cyprus⁷⁴

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drink, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruit products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and

medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFATOXINS (B₁, G₁)

incidence: 3/5, conc. range: 20–60 µg/kg,

country: Saudi Arabia²²

see also beer, nuts (peanut), nuts (peanut butter)

Chicken may contain the following mycotoxins:

OCHRATOXIN A

incidence: 36/65, conc. range: ≤0.18 µg/kg, Ø
conc.: 0.03 µg/kg, country: Denmark⁶²⁴

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must,noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices

(tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Chicken muscle may contain the following mycotoxins:

OCHRATOXIN A

incidence: 2/50, conc. range: 12.5–21 µg/kg, Ø conc.: 17 µg/kg, country: Egypt⁷²¹

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquourice, liquourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame

seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Chilli

see Spices (chilli)

Chilli pickle

see Spices (chilli pickle)

Chilli powder

see Spices (chilli powder)

Chilli sauce

see Spices (chilli sauce)

Chillies/cayenne

see Spices (chilli)

Chips (maize) may contain the following mycotoxins:

DEOXYNIVALENOL

incidence: 2/6, conc. range: 2000–3000 µg/kg, Ø conc.: 2500 µg/kg, country: USA⁴²⁴

see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat

products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

FUMONISIN B₁

incidence: 2/2, conc.: tr–37 µg/kg, country: Canada⁴⁰⁵

incidence: 1/2, conc.: 73 µg/kg, country: Canada⁶¹⁴

incidence: 7/7*, conc. range: 17–260 µg/kg, Ø conc.: 143 µg/kg, country: Sweden⁶⁸²,

*imported?

see also arepas, asparagus, barley, batter, beans, beer, bran (maize), bread, cake (rice), cereals, cereals (breakfast), chamomile, chips (tortilla), flakes (corn), flour (maize), food, food (baby), foodstuff, grits (maize), Incaparina, leaves, maize, maize fiber, maize muffin, maize products, maize silk, maize starch, masa, meal (maize), meal (sorghum), milk, muffin mix, nuts (peanut), pancake, popcorn, rapoko, rice, snacks, sorghum, soybeans, syrup (sorghum), tea, tortillas, wheat

FUMONISIN B₂

incidence: 5/7*, conc. range: 18–71 µg/kg, Ø conc.: 38 µg/kg, country: Sweden⁶⁸²,

*imported?

see also arepas, asparagus, barley, batter, beer, bran (maize), cereals, cereals (breakfast), chips (tortilla), flakes (corn), flour (maize), food (baby), foodstuff, grits (maize), Incaparina, maize, maize fiber, maize starch, masa, meal (maize), muffin mix, pancake, popcorn, rice, snacks, tortillas, wheat

Chips (tortilla) may contain the following mycotoxins:

FUMONISIN B₁

incidence: 1/2, conc.: 60 µg/kg, country: Italy³⁶²

incidence: 2/2, conc. range: 310–320 µg/kg, Ø conc.: 315 µg/kg, country: USA³⁶⁹

incidence: 8/12, conc. range: tr–216 µg/kg, country: Canada⁴⁰⁵

incidence: 1/2, conc.: 30 µg/kg, country: USA⁴¹⁰

incidence: 6/13, conc. range: 48–134 µg/kg, Ø conc.: 79.3 µg/kg, country: Canada⁶¹⁴

see also arepas, asparagus, barley, batter, beans, beer, bran (maize), bread, cake (rice), cereals, cereals (breakfast), chamomile, chips (maize), flakes (corn), flour (maize), food, food (baby), foodstuff, grits (maize), Incaparina, leaves, maize, maize fiber, maize muffin, maize products, maize silk, maize starch, masa, meal (maize), meal (sorghum), milk, muffin mix, nuts (peanut), pancake, popcorn, rapoko, rice, snacks, sorghum, soybeans, syrup (sorghum), tea, tortillas, wheat

FUMONISIN B₂

incidence: 1/2, conc.: 10 µg/kg, country: Italy³⁶²

see also arepas, asparagus, barley, batter, beer, bran (maize), cereals, cereals (breakfast), chips (maize), flakes (corn), flour (maize), food (baby), foodstuff, grits (maize), Incaparina, maize, maize fiber, maize starch, masa, meal (maize), muffin mix, pancake, popcorn, rice, snacks, tortillas, wheat

FUMONISIN B₁, HYDROLYZED (HBF₁)

incidence: 2/2, conc.: pr, country: USA³⁶⁹

incidence: 3/13, conc. range: 13–47 µg/kg, Ø conc.: 28.6 µg/kg, country: Canada⁶¹⁴

see also maize, masa, tortillas

FUMONISINS

incidence: 14/14*, conc. range: 200–1450 µg/kg, country: USA³⁵⁷, *white

incidence: 1/1*, conc.: 400 µg/kg, country: USA³⁵⁷, *yellow

incidence: 2/2*, conc. range: 400–1000 µg/kg, Ø conc.: 700 µg/kg, country: USA³⁵⁷, *blue

incidence: 2/2*, conc. range: 300–400 µg/kg, Ø conc.: 350 µg/kg, country: USA³⁵⁷,

*organic blue

see also beer, bread, cereal (infant), flakes (corn), flour (maize), grits (maize), maize, maize pops cereal, maize products, maize starch, maize (infant cream corn), meal (maize), muffin mix, pasta, popcorn, porridge, products, sorghum, tortillas

Chips (yam) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 17/76, conc. range: 8.5–80.4 µg/kg, Ø conc.: 27.1 µg/kg, country: Nigeria⁸⁷⁴
see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drink, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruit products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger),

spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

Chocolate may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 1*/?, conc.: 15 µg/kg, country:

Kenya⁷⁴⁶, *cake mix

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drink, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruit products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas,

poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFATOXIN B₂

incidence: 1*/?, conc.: 15 µg/kg, country: Kenya⁷⁴⁶, *cake mix

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

OCHRATOXIN A

incidence: 36/39*, conc. range: ≤0.41 µg/kg, country: Germany⁵⁹², *whole milk

incidence: 78/78*, conc. range: 0.02–0.66 µg/kg, country: Germany⁵⁹², *half bitter/bitter incidence: 31/35*, conc. range: ≤0.16 µg/kg, country: Germany⁵⁹², *with nuts incidence: 55/58*, conc. range: ≤0.34 µg/kg, country: Germany⁵⁹², *filled incidence: 30/40*, conc. range: 0.1 µg/kg (12 sa), 0.2–4 µg/kg (18 sa, with a maximum of 0.6 µg/kg), country: UK⁶³⁸, *and from different countries

incidence: 86/87*, conc. range: 0.025–4.289 µg/kg, country: Spain⁶⁷⁸, *and from different countries

incidence: 169/169* **, conc. range: 0.012–0.693 µg/kg, country: Spain⁶⁷⁸, *and from different countries, **with milk incidence: 14/14* **, conc. range: 0.016–0.19 µg/kg, country: Spain⁶⁷⁸, *and from different countries, **white

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquorice, liquorice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must,

noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Chocolate and chocolate cream may contain the following mycotoxins:

OCHRATOXIN A

incidence: 8/11, conc. range: 0.1–1.59 µg/kg,

Ø conc.: 0.63 µg/kg, country: Spain²⁴³

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit),

juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquorice, liquorice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must,noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Cider

see Apple cider

Cocoa may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 1/40* **, conc.: 5 µg/kg, country:

Norway¹⁹⁸, *and cocoa products, **imported

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas,

dates, drink, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruit products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 1/40*, conc.: tr, country: Norway¹⁹⁸, *and cocoa products, **imported see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, congressbele,

dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 1/40*, conc.: 4 µg/kg, country: Norway¹⁹⁸, *and cocoa products, **imported see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices

(mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXIN G₂

incidence: 1/40*, conc.: tr, country:

Norway¹⁹⁸, *and cocoa products, **imported see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, maize, maize dough, milk (human breast), nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), paste (soybean), popcorn, raisins, rice, sesame seeds, shoyu, soybeans, spices (cardamom), spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine

Cocoa beans may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 14/200, conc. range: 1–10 µg/kg (14 sa), country: Cuba⁴⁷

incidence: 4/151* **, conc. range: ≤2.6 µg/kg, country: USSR¹⁹¹, *and products, **imported incidence: 1/1*, conc.: 0.6 µg/kg, country:

Japan³⁴⁶, *imported

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drink, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruit products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam

(bean), Job's-tears, jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 3/91*, conc. range: 2–20 µg/kg (1 sa), >20 µg/kg (2 sa), country: Uruguay⁷⁸⁷,

*and by-products

see also barley, beans, bread, cereals, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts

(walnut), oil, oil seeds, paste (fig), peas, phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

OCHRATOXIN A

incidence: 16/21, conc. range: 0.1–3.5 µg/kg, Ø conc.: 0.45 µg/kg, country: Ivory Coast²⁴³, and from Guinea, Cameroon, Nigeria,

Senegal

incidence: 29/46*, conc. range: 0.041–14.8 µg/kg, Ø conc.: 1.71 µg/kg, country: Spain²⁴⁸,

* from Ivory Coast, Cameroon, Equatorial Guinea

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk

(human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Cocoa cake

see Cake (cocoa)

Cocoa drinks

see Drink (cocoa)

Cocoa hazelnut cream may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 19/25, conc. range: ≤3.725 µg/kg, country: Turkey⁸⁵⁸

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drink, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruit products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits

(maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

Cocoa mass may contain the following mycotoxins:

OCHRATOXIN A

incidence: 4/8*, conc. range: 0.1–3.5 µg/kg, Ø conc.: 1.07 µg/kg, country: Ivory Coast²⁴³, *and from Cameroon

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat,

butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Cocoa powder may contain the following mycotoxins:

OCHRATOXIN A

incidence: 29/31*, conc. range: 0.1–4.4 µg/kg, Ø conc.: 2.41 µg/kg, country: Ivory Coast²⁴³, *and from Guinea, Cameroon, Nigeria
incidence: 40/40, conc. range: 0.09–1.8 µg/kg, country: Germany⁵⁹²

incidence: 20/20*, conc. range: 0.2–4 µg/kg (20 sa, with a maximum of 2.4 µg/kg), country: UK⁶³⁸, *from different countries
incidence: 25/26*, conc. range: 0.053–0.932 µg/kg, country: Spain⁶⁷⁸, *and from different countries

incidence: 9/18*, conc. range: 0.22–0.77 µg/kg, Ø conc.: 0.43 µg/kg, country: Italy⁶⁸⁰, *and from different countries

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquorice, liquorice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts

(pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Coconut

see Nuts (coconut)

Coconut oil

see Oil (coconut)

Coconut products

see Nuts (coconut products)

Coffee may contain the following mycotoxins:

AFLATOXINS (B₁, B₂, G₁)

incidence: 1/1*, conc.: 8 µg/kg, country: Guatemala³³, *unroasted
see also maize, meal (maize), nuts (peanut), rice

OCHRATOXIN A

incidence: 2/4*, conc. range: 10–90 µg/kg, Ø conc.: 50 µg/kg, country: GDR¹⁷⁸, *moldy
incidence: 16/16*, conc. range: 0.5–5.1 µg/kg, Ø conc.: 2.2 µg/kg, country: Brazil²¹⁶, *instant
incidence: 23/34* **, conc. range: 0.3–6.5 µg/kg, Ø conc.: 1.4 µg/kg, country: Brazil²¹⁶, *2 sa were decaffeinated and not contaminated, **roasted, ground

incidence: 52/113* **, conc. range: ≤ 6.32 $\mu\text{g/kg}$, $\emptyset$ conc.: 1.15 $\mu\text{g/kg}$, country: Germany⁵⁸¹, *imported, **roasted, ground
 incidence: 32/67* **, conc. range: ≤ 3.34 $\mu\text{g/kg}$, $\emptyset$ conc.: 1.01 $\mu\text{g/kg}$, country: Germany⁵⁸¹, *imported, **roasted, ground, decaffeinated
 incidence: 21/60* **, conc. range: ≤ 4.75 $\mu\text{g/kg}$, $\emptyset$ conc.: 1 $\mu\text{g/kg}$, country: Germany⁵⁸¹, *imported, **roasted, ground, mild
 incidence: 46/52* **, conc. range: ≤ 9.47 $\mu\text{g/kg}$, $\emptyset$ conc.: 2.05 $\mu\text{g/kg}$, country: Germany⁵⁸¹, *imported, **instant
 incidence: 19/32* **, conc. range: ≤ 1.8 $\mu\text{g/kg}$, $\emptyset$ conc.: 0.89 $\mu\text{g/kg}$, country: Germany⁵⁸¹, *imported, **instant, decaffeinated
 incidence: 5/33* **, conc. range: ≤ 0.96 $\mu\text{g/kg}$, $\emptyset$ conc.: 0.65 $\mu\text{g/kg}$, country: Germany⁵⁸¹, *imported, **malt
 incidence: 2/2*, conc. range: 3.8–23 $\mu\text{g/kg}$, $\emptyset$ conc.: 13.4 $\mu\text{g/kg}$, country: Italy⁵⁸⁴, *from Ivory Coast, Uganda
 incidence: 22/38* **, conc. range: 0.17–0.91 $\mu\text{g/kg}$, $\emptyset$ conc.: 0.5 $\mu\text{g/kg}$, country: Hungary⁵⁹³, *imported, **roasted
 incidence: 11/12* **, conc. range: 0.34–1.3 $\mu\text{g/kg}$, $\emptyset$ conc.: 0.72 $\mu\text{g/kg}$, country: Hungary⁵⁹³, *imported, **blended with Ersatz coffee (roasted barley)
 incidence: 5/16* **, conc. range: 0.1–0.3 $\mu\text{g/kg}$ (2 sa), 0.3–0.5 $\mu\text{g/kg}$ (3 sa), country: Taiwan⁶⁰⁷, *imported?, **instant
 incidence: 8/19* **, conc. range: 0.1–0.3 $\mu\text{g/kg}$ (5 sa), 0.3–0.5 $\mu\text{g/kg}$ (3 sa), country: Taiwan⁶⁰⁷, *imported?, **ready-to-drink
 incidence: 11/11* **, conc. range: ≤ 3.2 $\mu\text{g/kg}$, $\emptyset$ conc.: 0.51 $\mu\text{g/kg}$, country: Denmark⁶²⁴, *imported, **roasted
 incidence: 25/30* **, conc. range: >nd–<0.3 $\mu\text{g/kg}$ (5 sa), 0.3–1 $\mu\text{g/kg}$ (11 sa), 1–5 $\mu\text{g/kg}$ (6 sa), 5–8 $\mu\text{g/kg}$ (3 sa), with a maximum of 7.54 $\mu\text{g/kg}$, country: Germany⁶²⁷, *imported?, **roasted
 incidence: 3/66* **, conc. range: tr–80 $\mu\text{g/kg}$, country: USA⁶³¹, *from different countries, **commercial
 incidence: 38/59* **, conc. range: <0.1–2.3 $\mu\text{g/kg}$, $\emptyset$ conc.: 0.63 $\mu\text{g/kg}$, country: Canada⁶³², *imported, **roasted, ground

incidence: 4/12* **, conc. range: <0.1–1.3 $\mu\text{g/kg}$, $\emptyset$ conc.: 0.55 $\mu\text{g/kg}$, country: Canada⁶³², *imported, **roasted, ground, decaffeinated
 incidence: 15/21* **, conc. range: <0.1–3.1 $\mu\text{g/kg}$, $\emptyset$ conc.: 1.11 $\mu\text{g/kg}$, country: Canada⁶³², *imported, **instant
 incidence: 5/9* **, conc. range: <0.1–2.5 $\mu\text{g/kg}$, $\emptyset$ conc.: 0.9 $\mu\text{g/kg}$, country: Canada⁶³², *imported, **instant, decaffeinated
 incidence: 1/29* **, conc.: 3 $\mu\text{g/kg}$, country: Germany⁶⁴⁰, *imported, **roasted
 incidence: 191/419* **, conc. range: 0.21–12.1 $\mu\text{g/kg}$, country: Germany⁶⁵⁰, *imported, **roasted
 incidence: 26/71* ** **, conc. range: 0.15–2.7 $\mu\text{g/kg}$, country: Germany⁶⁵⁰, *imported, **roasted, decaffeinated, ***and low acid decaffeinated roasted coffee
 incidence: 29/41* **, conc. range: 0.28–4.8 $\mu\text{g/kg}$, country: Germany⁶⁵⁰, *imported, **instant
 incidence: 11/12* ** **, conc. range: 0.2–8 $\mu\text{g/kg}$, country: UK⁶⁵¹, *imported, **powder, ***decaffeinated and nondecaffeinated
 incidence: 31/36* ** **, conc. range: 0.1–4.9 $\mu\text{g/kg}$, country: UK⁶⁵¹, *imported, **granules, ***decaffeinated and nondecaffeinated
 incidence: 22/32* ** **, conc. range: 0.2–3 $\mu\text{g/kg}$, country: UK⁶⁵¹, *imported, **freeze-dried, ***decaffeinated and nondecaffeinated
 incidence: 17/20* **, conc. range: 0.2–2.1 $\mu\text{g/kg}$, country: UK⁶⁵¹, *imported, **roast and ground, nondecaffeinated
 incidence: 75/101* **, conc. range: 0.2–6.5 $\mu\text{g/kg}$, country: Switzerland⁶⁵⁴, *from different countries, **pure, soluble
 incidence: 15/15* **, conc. range: 1.2–15.9 $\mu\text{g/kg}$, country: Switzerland⁶⁵⁴, *from different countries, **adulterated, soluble
 incidence: 334/633* **, conc. range: ≤ 27.2 $\mu\text{g/kg}$, $\emptyset$ conc.: 0.9 $\mu\text{g/kg}$ (of all sa), country: Germany⁶⁶⁶, *from different countries, **partly roasted and ground, partly decaffeinated, partly instant, partly mixed
 incidence: 9/13* **, conc. range: 0.1–1.2 $\mu\text{g/kg}$ (9 sa), $\emptyset$ conc.: 0.4 $\mu\text{g/kg}$, country: USA⁶⁸⁵, *from South America, **roasted

incidence: 5/68*, conc. range: 3.2–17 µg/kg, Ø conc.: 7.6 µg/kg, country: Japan⁶⁸⁶, *imported see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquourice, liquourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard),

spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

STERIGMATOCYSTIN

incidence: 1/2*, conc.: 1143 µg/kg, country: South Africa⁷⁵⁶, *condemned as unfit for human consumption

see also barley, cassava, cheese, maize, nuts (almond), nuts (pecan), nuts (pistachio), oil seed rape, rice, spices, spices (fennel), spices (pepper), wheat

Coffee beans (green) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 6/57, conc. range: ≤3.5 µg/kg, country: USSR¹⁹¹

incidence: 15*/47, conc. range: 0.002–0.0329 µg/kg, country: Japan²⁴⁷, *from Yemen, Tanzania, Indonesia

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coix seed, congressbele, cottonseed, cowpeas, dates, drink, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruit products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast),

milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

OCHRATOXIN A

incidence: 27/132, conc. range: 0.7–47.8 µg/kg, Ø conc.: 7.1 µg/kg, country: Brazil²¹²
 incidence: 15*/47, conc. range: 0.1–17.4 µg/kg, country: Japan²⁴⁷, *from Yemen, Tanzania, Indonesia
 incidence: 13/25*, conc. range: 0.9–56 µg/kg, Ø conc.: 10.3 µg/kg, country: Switzerland³¹⁸, *from different countries and unknown origin
 incidence: 15/68, conc. range: 0.84–4.7 µg/kg, Ø conc.: 2.85 µg/kg, country: Brazil⁵⁵⁵
 incidence: 9/40*, conc. range: 0.5–23 µg/kg, Ø conc.: 4.3 µg/kg, country: Italy⁵⁸⁴, *from different countries
 incidence: 2/13* **, conc. range: 58–168 µg/kg, Ø conc.: 113 µg/kg, country: Belgium⁶⁰⁰, *from different countries, **arabica
 incidence: 3/8* **, conc. range: 4–27 µg/kg, Ø conc.: 15.7 µg/kg, country: Belgium⁶⁰⁰, *from different countries, **robusta

incidence: 41/41* **, conc. range: <5 µg/kg (22 sa), 5–10 µg/kg (10 sa), 10–20 µg/kg (6 sa), >20 not higher than 31.5 µg/kg (3 sa), country: Spain⁶⁰⁶, *from different countries, **arabica
 incidence: 16/16* **, conc. range: <5 µg/kg (8 sa), 5–10 µg/kg (7 sa), >20 not higher than 31.5 µg/kg (1 sa), country: Spain⁶⁰⁶, *from different countries, **robusta
 incidence: 19/267* **, conc. range: tr–360 µg/kg, country: USA⁶³¹, *from different countries, **hand-selected
 incidence: 13/22*, conc. range: tr–5.5 µg/kg, country: Italy⁶⁴⁵, *from different countries
 incidence: 6/7*, conc. range: tr–15 µg/kg, country: Italy⁶⁴⁵, *from Cameroon, Ivory Coast, Zaire
 incidence: 22/82*, conc. range: 0.23–24.5 µg/kg, country: Germany⁶⁵⁰, *imported
 incidence: 106/162*, conc. range: 0.1–48 µg/kg, Ø conc.: 4.1 µg/kg, country: Italy⁶⁵⁷, *from different countries
 incidence: 9/19*, conc. range: 0.1–4.6 µg/kg (9 sa), Ø conc.: 1.4 µg/kg, country: USA⁶⁸⁵, *from South America
 incidence: 3/20*, conc. range: 12.4–13.7 µg/kg, country: Egypt⁷²¹, *green?
 incidence: 110/291* **, conc. range: 0.26–1 µg/kg (67 sa), 1–5 µg/kg (30 sa), 5–10 µg/kg (10 sa), >10 µg/kg (3 sa), Ø conc.: 17.4 µg/kg, country: UK⁷³⁸, *arabica, robusta and other, **imported
 incidence: 46/200, conc. range: 22.8–66 µg/kg, Ø conc.: 33.8 µg/kg, country: Egypt⁷⁴⁸
 see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food

(infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Coix seed may contain the following mycotoxins:

AFATOXIN B₁

incidence: 5/49, conc. range: 0.1–0.6 µg/kg, Ø conc.: 0.4 µg/kg, country: Japan⁹⁹
see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips

(yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), congressbele, cottonseed, cowpeas, dates, drink, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruit products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

Congressbele may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 9/41, conc. range: 6–1100 µg/kg,
country: India¹⁴⁸

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, cottonseed, cowpeas, dates, drink, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruit products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices

(pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 5/41, conc. range: 4–700 µg/kg,
country: India¹⁴⁸

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

Coppa may contain the following mycotoxins:

OCHRATOXIN A

incidence: 5/18, conc. range: ≤0.24 µg/kg, Ø
conc.: 0.12 µg/kg, country: Italy³²²

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa

powder, coffee, coffee beans (green), coppa, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Coppa may contain the following mycotoxins:

OCHRATOXIN A

incidence: 1/384, conc.: 50 µg/kg, country: India⁷⁹⁴

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower

seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Copra meal

see Meal (copra)

Coriander

see Spices (coriander)

Corn

see Maize

Corn flakes

see Flakes (corn)

Corn flour

see Flour (maize)

Corn foods

see Food

Corn instant porridge

see Porridge

Corn kernels

see Maize

Corn on the cob may contain the following mycotoxins:

MONILIFORMIN

incidence: 2/19*, conc. range: <15 µg/kg, country: UK⁷⁴³, *from different countries see also barley, flakes (corn), flour (maize), foodstuff, grits (maize), maize, maize-based thickeners, meal (maize), oats, popcorn, rye, snacks, triticale, wheat

Corn pastas

see Pasta

Corn starch

see Starch (maize)

Corn-based thickeners

see Maize-based thickeners

Corn-extruded bread

see Bread

Corn-extruded products

see Products

Cottage cheese

see Cheese

Cottonseed may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 1/18, conc.: 489.6 µg/kg, country: Egypt¹⁴⁴

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cowpeas, dates, drink, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruit products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds,

shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

Cottonseed meal

see Meal (cottonseed)

Cow liver

see Liver (cow)

Cowpeas may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 5/16, conc. range: 26–68 µg/kg, country: India³⁹⁸

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, dates, drink, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruit products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk

products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 4/20*, conc. range: 45–112 µg/kg, Ø conc.: 75.8 µg/kg, country: Egypt⁴⁸⁶, *ncac

see also barley, beans, bread, cereals, cocoa beans, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (fig), peas, phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

Crackers may contain the following mycotoxins:

DEOXYNIVALENOL

incidence: 6/18*, conc. range: 1600–5400 µg/kg, Ø conc.: 2800 µg/kg, country: USA⁴²⁴, */cookies, made from wheat and oat
see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

ZEARELENONE

incidence: 3/18*, conc. range: 10–16 µg/kg, Ø conc.: 12 µg/kg, country: USA⁴²⁴, */cookies, made from wheat and oat
see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Cream cheese

see Cheese

Crème puddings may contain the following mycotoxins:

OCHRATOXIN A

incidence: 27/32*, conc. range: ≤0.08 µg/kg, country: Germany⁵⁹², *choco cremes
incidence: 7/32*, conc. range: ≤0.09 µg/kg, country: Germany⁵⁹², *different puddings and cremes
see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquourice, liquourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpnickel, ragi, raisins, rice, rolls, rusk,

rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Crispbread

see Knäckebröd

Croissant may contain the following mycotoxins:

DEOXYNIVALENOL

incidence: 8/8*, conc. range: 326–648 µg/kg, country: Argentina⁵⁰⁵, *butter

incidence: 4/5*, conc. range: 336–563 µg/kg, country: Argentina⁵⁰⁵, *fat

see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

Cumin

see Spices (cumin)

Currants may contain the following mycotoxins:

OCHRATOXIN A

incidence: 43/54, conc. range: nd–13.8 µg/kg, country: Greece²⁶³

incidence: 19/20*, conc. range: 1–>23.6 µg/kg, country: UK⁶³⁵, *from Greece

incidence: 96/100*, conc. range: 0.2–4.0 µg/kg (62 sa), 4.1–10 µg/kg (22 sa), 10.1–20 µg/kg (7 sa), 20.1–30 µg/kg (4 sa), 40.8 µg/kg (1 sa), country: UK⁶³⁸, *from different countries

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits,grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquorice, liquorice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame

seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Currants and raisins

see Raisins

Curry

see Spices (curry)

Curry paste

see Spices (curry paste)

Curry powder

see Spices (curry powder)

Dairy products

see Milk products

Danish blue

see Cheese (blue)

Dates may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 2/26, conc. range: 0.05–0.1 µg/kg (2 sa), Ø conc.: 0.09 µg/kg, country: France³⁹⁷
incidence: 1/6*, conc.: 19 µg/kg, country:

India⁸⁰², *date palm

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, drink, figs, fish, flakes (corn), flour, flour

(gram), flour (maize), flour (wheat), food, food (infant), fruit products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 1/6*, conc.: 15 µg/kg, country: India⁸⁰², *date palm

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa,

congressbele, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kuba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 1/6*, conc.: 14 µg/kg, country: India⁸⁰², *date palm

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices

(mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

OCHRATOXIN A

incidence: 3/30*, Ø conc. range: 0.3–3.3 µg/kg, country: Germany⁶⁴⁰, *imported

incidence: 1/20*, conc.: <4 µg/kg, country: UK⁷⁴², *imported

incidence: 1/6*, conc.: pr, country: India⁸⁰², *date palm

incidence: 1/12*, conc.: 0.9 µg/kg, country: UK⁸³⁴, *imported

incidence: 2/22* **, conc. range: 0.1–5 µg/kg (2 sa), country: Brazil⁸⁶⁵, *from worldwide, **dried

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquorice, liquorice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive),

oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Dessert wine

see Wine

Domiat cheese

see Cheese

Double gloucester cheese

see Cheese

Drink may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 1/22* **, conc.: 0.06 µg/kg, country: Belgium²⁸³, *soft, **tiger nut-based ("horchata")

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruit products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), juice

(mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

OCHRATOXIN A

incidence: 2/2*, conc. range: 0.1–0.3 µg/kg (dry matter), Ø conc.: 0.2 µg/kg, country: Switzerland⁶⁹², *malt-based breakfast see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink

(cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquourice, liquourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Drink (cocoa) may contain the following mycotoxins:

OCHRATOXIN A
incidence: 51/56*, conc. range: $\leq 0.63 \mu\text{g/kg}$,
country: Germany⁵⁹², *chocolate drinks

incidence: 34/34*, conc. range: $\leq 0.05 \mu\text{g/kg}$,
country: Germany⁵⁹², *ready-mixed
see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquourice, liquourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper),

spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Drink (malt) may contain the following mycotoxins:

OCHRATOXIN A

incidence: 2/25, conc. range: 0.05–0.09 µg/kg (2 sa), country: Germany⁶²³

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquourice, liquourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame

seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Dried apricot

see Fruits (apricot)

Dried fruits

see Fruits

Dried vegetables

see Vegetables

Drugs may contain the following mycotoxins:

OCHRATOXIN A

incidence: 5/6*, conc.: 2.63–50.3 µg/kg,

country: Germany³¹¹, *with special indication

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant),

juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Duck may contain the following mycotoxins:

OCHRATOXIN A

incidence: 11/19, conc. range: $\leq 0.09 \mu\text{g/kg}$, Ø conc.: $0.02 \mu\text{g/kg}$, country: Denmark⁶²⁴

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava),

flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Duck liver

see Liver (duck)

Durum grits

see Grits (durum)

Durum wheat

see Wheat

Edam cheese

see Cheese

Edelpilzkäse

see Cheese (blue)

Egusi meal

see Meal (egusi)

Emu aran may contain the following mycotoxins:

AFLATOXIN B

incidence: 2/2, conc. range: 83–86 µg/kg,

country: Nigeria⁴

see also meal (egusi), ogbono, ogili-ugba, ogoro

Enchilada

see Tortillas

Export

see Beer

Extrudates may contain the following mycotoxins:

OCHRATOXIN A

incidence: 10/33*, conc. range: ≤2.1 µg/kg,

country: Germany⁵⁹², *and chips, popcorn

see also barley, beans, beef, beer, berries

(strawberry), biscuits, bran, bran (barley),

bran (oat), bran (wheat), bread, buckwheat,

butter, cake (cocoa), cereal products, cereals,

cereals (breakfast), cheese, chicken, chicken

muscle, chocolate, chocolate and chocolate

cream, cocoa beans, cocoa mass, cocoa

powder, coffee, coffee beans (green), coppa,

copra, crème puddings, currants, dates, drink,

drink (cocoa), drink (malt), drugs, duck, figs,

fish, flakes (cereal), flakes (corn), flakes (oat),

flakes (wheat), flour, flour (cassava), flour

(maize), flour (rye), flour (wheat), food, food

(baby), food (infant), fruits, fruits (apple),

fruits (apricot), fruits (cherry), fruits (peach),

fruits (plum), fruits (prune), germ (wheat),

goose, grits, grits (durum), grits (maize),

groats (barley), gruel, gruel (oat), ham, jam,

joints, juice (carrot), juice (currant), juice

(fruit), juice (grape), juice (tomato), kidney

(pig), kidney (poultry), knäckebröd, lentils,

linseeds, liqourice, liqourice root, liver (cow),

liver (duck), liver (goose), liver (pig), liver

(turkey), maize, maize dough, malt, malt

(barley), meal (buckwheat), meal (cereal),

meal (maize), meal (rye), meal (spelt), meal

(wheat), meat and fish, milk (cow), milk

(human breast), millet, muesli, must,

noodles, nut slice, nuts, nuts (almond), nuts

(cashew), nuts (coconut), nuts (hazelnut),

nuts (peanut), nuts (peanut butter), nuts

(pistachio), nuts (walnut), oats, oil (olive), oil

(sesame), olives, pasta, pastries, peas, pig

blood, pig muscle, pig serum, pig (black

pudding), plant commodities, popcorn, pork,

pork pate, potatoes, products, pulp (grape),

pulses, pumpernickel, ragi, raisins, rice, rolls,

rusk, rye, sandwich, sauce, sausages, sesame

seeds, snacks, sorghum, soybeans, spelt, spice

powder, spices (cardamom), spices (chilli),

spices (chilli pickle), spices (chilli powder),

spices (chilli sauce), spices (coriander), spices

(curry), spices (curry paste), spices (curry

powder), spices (fennel), spices (garlic

pickle), spices (ginger), spices (mustard),

spices (nutmeg), spices (paprika), spices

(pepper), spices (pepper, cayenne), spices

(tandoori), spices (turmeric), sultanas,

sunflower seeds, tea, tomato ketchup,

tomatoes, turkey, vegetables, vinegar,

wheat, wine

Farmer's cheese

see Cheese

Fennel

see Spices (fennel)

Fenugreek

see Spices (fenugreek)

Figazzas may contain the following mycotoxins:

DEOXYNIVALENOL

incidence: 8/8, conc. range: 212–2800 µg/kg,

country: Argentina⁵⁰⁵

see also acha, barley, batter, beans, beer,

biscuits, bran (oat), bran (wheat), bread,

cake, cereal (baby), cereals, cereals

(breakfast), chips (maize), crackers, croissant, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

Fig paste

see Paste (fig)

Figs may contain the following mycotoxins:

AFATOXIN B₁

incidence: 8/206* **, conc. range: 3.6–320 µg/kg, Ø conc.: 112 µg/kg, country: Turkey³⁰, *lower grade figs, **dried

incidence: 2/4*, conc. range: 2.5–11.8 µg/kg, Ø conc.: 7.2 µg/kg, country: Syria⁶⁸, *dried

incidence: 4/24*, conc. range: 1.4–6 µg/kg, Ø conc.: 3.7 µg/kg, country: Cyprus⁷⁴, *includes figpie

incidence: 94/386* **, conc. range: 0.2–1 µg/kg (48 sa), 1–5 µg/kg (37 sa), 5–10 µg/kg (7 sa), 10–20 µg/kg (1 sa), 20–30 µg/kg (1 sa), country: Switzerland¹⁷⁵, *from Turkey, **dried, randomly selected

incidence: 52/62* ** ***, conc. range: 0.2–1 µg/kg (4 sa), 1–10 µg/kg (14 sa), 10–100 µg/kg (8 sa), 100–1000 µg/kg (14 sa), 1000–10,000 µg/kg (11 sa), >10,000 µg/kg (1 sa), country: Switzerland¹⁷⁵, *from Turkey, **fluorescent (BGY), ***selected

incidence: 4/4*, conc. range: 1.1–4.4 µg/kg, Ø conc.: 3.5 µg/kg, country: Denmark¹⁹³, *imported

incidence: 8/15, conc. range: 0.05–0.1 µg/kg (3 sa), 0.11–1 µg/kg (3 sa), 1.1–5 µg/kg (1 sa), 11–40 µg/kg (1 sa), Ø conc.: 1.9 µg/kg, country: France³⁹⁷

incidence: 26/119* **, conc. range: <0.1–1 µg/kg (10 sa), 1–5 µg/kg (11 sa), 5–10 µg/kg

(2 sa), 10–15 µg/kg (1 sa), >15 µg/kg (2 sa, with a maximum of 35.1 µg/kg), country:

Turkey⁶⁷³, *dried, **export and retail incidence: 37/52* ** ***, conc. range:

5–76,000 µg/kg, Ø conc.: 6341 µg/kg, country: Switzerland⁸¹⁸, *from Turkey,

selected fruits, fluorescent (BGY), *dried incidence: 30?/103*, conc. range: 0.5–63 µg/kg, country: Turkey⁸⁴⁵, *includes fig paste and others

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruit products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks,

sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 4/206* **, conc. range: 23.5–71.8 µg/kg, Ø conc.: 50.6 µg/kg, country: Turkey³⁰, *lower grade figs, **dried incidence: 4/24*, conc. range: 0.9–1.5 µg/kg, Ø conc.: 1.2 µg/kg, country: Cyprus⁷⁴, *includes figpie incidence: 4/4*, conc. range: 0.5–1.1 µg/kg, Ø conc.: 0.7 µg/kg, country: Denmark¹⁹³, *imported incidence: 27?/103*, conc. range: 0.5–37.7 µg/kg, country: Turkey⁸⁴⁵, *includes fig paste and others see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices

(mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 3/206* **, conc. range: 12.4–97.5 µg/kg, Ø conc.: 61.4 µg/kg, country: Turkey³⁰, *lower grade figs, **dried incidence: 4/24*, conc. range: 0.8–2.1 µg/kg, Ø conc.: 1.4 µg/kg, country: Cyprus⁷⁴, *includes figpie incidence: 49/386*, conc. range: 0.2–1 µg/kg (28 sa), 1–5 µg/kg (17 sa), 5–10 µg/kg (2 sa), 20–30 µg/kg (2 sa), country: Switzerland¹⁷⁵, *from Turkey, dried, randomly selected incidence: 21/62* ** ***, conc. range: 0.2–1 µg/kg (2 sa), 1–10 µg/kg (5 sa), 10–100 µg/kg (4 sa), 100–1000 µg/kg (4 sa), 1000–10,000 µg/kg (4 sa), >10,000 µg/kg (2 sa), country: Switzerland¹⁷⁵, *from Turkey, **fluorescent (BGY), ***selected incidence: 4/4*, conc. range: 0.9–1.3 µg/kg, Ø conc.: 1.1 µg/kg, country: Denmark¹⁹³, *imported incidence: 14/52* ** ***, conc. range: 24–180,000 µg/kg, Ø conc.: 15,518 µg/kg, country: Switzerland⁸¹⁸, *from Turkey, **selected fruits, fluorescent (BGY), ***dried incidence: 29?/103*, conc. range: 0.5–78.3 µg/kg, country: Turkey⁸⁴⁵, *includes fig paste and others see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices

(coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXIN G₂

incidence: 1/24*, conc.: 4.2 µg/kg, country: Cyprus⁷⁴, *includes figpie

incidence: 28?/103*, conc. range: 0.5–15 µg/kg, country: Turkey⁸⁴⁵, *includes fig paste and others

see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), cocoa, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, maize, maize dough, milk (human breast), nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), paste (soybean), popcorn, raisins, rice, sesame seeds, shoyu, soybeans, spices (cardamom), spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 24/30*, conc. range: 28–241 µg/kg, Ø conc.: 103.5 µg/kg, country: UK³⁰³, *from France, Greece, Turkey and unknown origin
incidence: 16/20* **, conc. range: 1–3.9 µg/kg (10 sa), 10.1–20 µg/kg (3 sa), 20.1–50 µg/kg (2 sa), 89 µg/kg (1 sa), country: UK⁷³⁹, *port sa, **dried

incidence: 1/29*, conc.: 1–3.9 µg/kg (1 sa), country: UK⁷³⁹, *retail sa

see also barley, beans, bread, cereals, cocoa beans, cowpeas, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts

(pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (fig), peas, phane, poppadooms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

AFLATOXINS (TOTAL)

incidence: 56/122* **, conc. range: 1–10 µg/kg (43 sa), ≤96 µg/kg (13 sa), country: UK¹⁶⁴, *from Turkey, **dried

see also beans, butter, maize, nut cereals, nuts (almond), nuts (Brazil), nuts (cashew), nuts (“chico-felix”), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), paste (fig), rice, sunflower seeds

AFLATOXINS

incidence: 16/110* **, conc. range: <5–337 µg/kg, country: Italy⁸⁶, *from Turkey, **dried
see also beans, candy (peanut), candy (pistachio), cassava, flour (maize), grain mixtures, grains, maize, maize dough, maize products, melon seeds, millet, nuts, nuts (almond), nuts (brazil), nuts (peanut), nuts (peanut butter), nuts (peanut mix), nuts (peanut products), nuts (pecan), nuts (pistachio), nuts (walnut), nuts and seeds, paste (peanut), paste (pipian), peas, rice, sauce (leaf), snacks, sorghum, spices, spices (chilli), spices (cumin), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper), spices (tandoori), teff, tubers, wheat

KOJIC ACID

incidence: 52/52* ** ***, conc. range: 8–6,900,000 µg/kg, Ø conc.: 1,336,000 µg/kg, country: Switzerland⁸¹⁸, *from Turkey, **selected fruits, fluorescent (BGY), ***dried

OCHRATOXIN A

incidence: 4/4*, conc. range: 60–120 µg/kg, country: Egypt²⁸¹, *dried

incidence: 1/9* **, conc.: 160 µg/kg, country: Switzerland⁵⁷⁸, *imported, **dried
 incidence: 27/34*, conc. range: ≤3.95 µg/kg, country: Germany⁵⁹², *dried
 incidence: 2/20*, conc. range: 0.2–0.8 µg/kg, Ø conc.: 0.5 µg/kg, country: UK⁶³⁸, *from different countries
 incidence: 1/39*, conc.: 0.6 µg/kg, country: Germany⁶⁴⁰, *dried
 incidence: 14/119* **, conc. range: <0.1–1 µg/kg (4 sa), 1–5 µg/kg (3 sa), 5–10 µg/kg (1 sa), 10–15 µg/kg (3 sa), >15 µg/kg (3 sa, with a maximum of 26.3 µg/kg), country: Turkey⁶⁷³, *dried, **export and retail
 incidence: 12/52* ** ***, conc. range: 5–12,300 µg/kg, Ø conc.: 1680 µg/kg, country: Switzerland⁸¹⁸, *from Turkey, **selected fruits, fluorescent (BGY), ***dried
 incidence: 4/21*, conc. range: 0.4–151 µg/kg, Ø conc.: 38.9 µg/kg, country: UK⁸³⁴, *from different countries
 incidence: 3/103*, conc. range: 5.2–8.3 µg/kg, Ø conc.: 7 µg/kg, country: Turkey⁸⁴⁵, *includes fig paste and others
 incidence: 13/20*, conc. range: 0.03–1.42 µg/kg, Ø conc.: 0.33 µg/kg, country: Morocco⁸⁵⁹, *dried
 incidence: 18/19* **, conc. range: 0.1–5 µg/kg (13 sa), 5.1–10 µg/kg (2 sa), 10.1–20 µg/kg (2 sa), 20.1–30 µg/kg (1 sa), country: Brazil⁸⁶⁵, *from worldwide, **dried
 see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize),

groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Filberts

see Nuts (hazelnut)

Fish may contain the following mycotoxins:

AFLATOXIN B₁

incidence: ?/8, conc. range: 534–539 µg/kg, country: Nigeria¹⁷⁷
 incidence: 5/20* ** ***, conc. range: 5–10 µg/kg ?, country: Sierra Leone⁶⁷⁴, *smoked (“Bonga”), **partly moldy, ***moldy fish extract

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai,

bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruit products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN G₁

incidence: 6/20* ** ***, conc. range: 5–10 µg/kg ?, country: Sierra Leone⁶⁷⁴, *smoked ("Bonga"), **partly moldy, ***moldy fish extract

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXIN G₂

incidence: 2/20* ** ***, conc. range: tr–5 µg/kg ?, country: Sierra Leone⁶⁷⁴, *smoked ("Bonga"), **partly moldy, ***moldy fish extract

see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), cocoa, figs, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, maize, maize dough, milk (human breast), nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), paste (soybean), popcorn, raisins, rice, sesame seeds, shoyu, soybeans, spices (cardamom), spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika),

spices (pepper), spices (pepper, cayenne),
spices (turmeric), sunflower seeds, wine

OCHRATOXIN A

incidence: 3/20* ** ***, conc. range: 5–10
µg/kg ?, country: Sierra Leone⁶⁷⁴, *smoked
("Bonga"), **partly moldy, ***moldy fish
extract

see also barley, beans, beef, beer, berries
(strawberry), biscuits, bran, bran (barley),
bran (oat), bran (wheat), bread, buckwheat,
butter, cake (cocoa), cereal products, cereals,
cereals (breakfast), cheese, chicken, chicken
muscle, chocolate, chocolate and chocolate
cream, cocoa beans, cocoa mass, cocoa
powder, coffee, coffee beans (green), coppa,
copra, crème puddings, currants, dates, drink,
drink (cocoa), drink (malt), drugs, duck,
extrudates, figs, flakes (cereal), flakes (corn),
flakes (oat), flakes (wheat), flour, flour
(cassava), flour (maize), flour (rye), flour
(wheat), food, food (baby), food (infant),
fruits, fruits (apple), fruits (apricot), fruits
(cherry), fruits (peach), fruits (plum), fruits
(prune), germ (wheat), goose, grits, grits
(durum), grits (maize), groats (barley), gruel,
gruel (oat), ham, jam, joints, juice (carrot),
juice (currant), juice (fruit), juice (grape), juice
(tomato), kidney (pig), kidney (poultry),
knäckebröd, lentils, linseeds, liqourice,
liqourice root, liver (cow), liver (duck), liver
(goose), liver (pig), liver (turkey), maize, maize
dough, malt, malt (barley), meal (buckwheat),
meal (cereal), meal (maize), meal (rye), meal
(spelt), meal (wheat), meat and fish, milk
(cow), milk (human breast), millet, muesli,
must, noodles, nut slice, nuts, nuts (almond),
nuts (cashew), nuts (coconut), nuts
(hazelnut), nuts (peanut), nuts (peanut
butter), nuts (pistachio), nuts (walnut), oats,
oil (olive), oil (sesame), olives, pasta, pastries,
peas, pig blood, pig muscle, pig serum, pig
(black pudding), plant commodities,
popcorn, pork, pork pate, potatoes, products,
pulp (grape), pulses, pumpernickel, ragi,
raisins, rice, rolls, rusk, rye, sandwich, sauce,
sausages, sesame seeds, snacks, sorghum,
soybeans, spelt, spice powder, spices
(cardamom), spices (chilli), spices (chilli

pickle), spices (chilli powder), spices (chilli
sauce), spices (coriander), spices (curry),
spices (curry paste), spices (curry powder),
spices (fennel), spices (garlic pickle), spices
(ginger), spices (mustard), spices (nutmeg),
spices (paprika), spices (pepper), spices
(pepper, cayenne), spices (tandoori), spices
(turmeric), sultanas, sunflower seeds, tea,
tomato ketchup, tomatoes, turkey, vegetables,
vinegar, wheat, wine

Fish/shrimp may contain the following
mycotoxins:

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 7/139*, Ø conc.: 166 µg/kg, max.
conc.: 772 µg/kg, country: Thailand¹⁶³, *dried
see also barley, beans, bread, cereals, cocoa
beans, cowpeas, figs, flour (maize), food,
fruits, grains, herbs and spices, lentils, maize,
noodles, nuts, nuts (almond), nuts (brazil),
nuts (cashew), nuts (hazelnut), nuts
(peanut), nuts (peanut brittle), nuts (peanut
butter), nuts (peanut products), nuts
(pecan), nuts (pine), nuts (pistachio), nuts
(walnut), oil, oil seeds, paste (fig), peas,
phane, poppadoms, rice, sago, sauce
(peanut), sesame seeds, snacks, sorghum,
spice powder, spices (chilli), spices (chilli
pickle), spices (chilli powder), spices
(coriander), spices (curry), spices (curry
paste), spices (curry powder), spices (fennel),
spices (fenugreek), spices (garlic pickle),
spices (garlic / onions), spices (ginger), spices
(nutmeg), spices (paprika), spices (pepper,
cayenne), sunflower seeds, vegetables, wheat

Flakes (cereal) may contain the following
mycotoxins:

OCHRATOXIN A

incidence: 13/54, conc. range: 0.1–0.19 µg/kg
(3 sa), 0.2–0.49 µg/kg (3 sa), 0.5–1.49 µg/kg
(4 sa), 1.5–9.99 µg/kg (3 sa), country:
Germany⁶²³
incidence: 1/5, conc.: 1 µg/kg, country:
Germany⁶⁴⁰
see also barley, beans, beef, beer, berries
(strawberry), biscuits, bran, bran (barley),

bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquorice, liquorice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup,

tomatoes, turkey, vegetables, vinegar, wheat, wine

Flakes (corn) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 15*/57, conc. range: 60–163 µg/kg,

country: Nepal¹²³⁹, * >30 µg/kg

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruit products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices

(chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

DEOXYNIVALENOL

incidence: 1/3, conc.: 10–30 µg/kg, country:

Germany⁴³²

incidence: 4/6, conc. range: 33–142 µg/kg, Ø

conc.: 70 µg/kg, country: Germany⁵²⁰

see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

FUMONISIN B₁

incidence: 1/4, conc.: 660 µg/kg, country:

Brazil²¹⁵

incidence: 2/11*, conc. range: 186–453 µg/kg,

Ø conc.: 319.5 µg/kg, country: Germany²⁷⁴,

*from different European countries

incidence: 1/2, conc.: 10 µg/kg, country:

Italy³⁶²

incidence: 6/15, conc. range: 21–165 µg/kg, Ø

conc.: 35.9 µg/kg, country: Korea³⁷⁵

incidence: 6/10, conc. range: 5–1030 µg/kg,

country: Denmark³⁸⁵

incidence: 1/3, conc.: 218 µg/kg, country:

Uruguay³⁹⁹

incidence: 1/12, conc.: 55 µg/kg, country:

Switzerland⁴⁰⁰

incidence: 2/12, conc. range: ≤100 µg/kg, Ø

conc.: 60 µg/kg, country: Spain⁴⁰⁴

incidence: 7/8*, conc. range: 23–1092 µg/kg,

Ø conc.: 266 µg/kg, country: Italy⁴⁰⁷, *from

Europe

incidence: 2/6, conc. range: 10 µg/kg, Ø

conc.: 10 µg/kg, country: USA⁴¹⁰

incidence: 4/17, conc. range: 140–1281 µg/kg,

Ø conc.: 497 µg/kg, country: Taiwan⁴¹⁸

incidence: 3/39, conc. range: 16.1–18.5 µg/kg,

country: Spain⁴²¹

incidence: 10/11, conc. range: 13–209 µg/kg,

Ø conc.: 51.5 µg/kg, country: Canada⁶¹⁴

incidence: 22/25*, conc. range: 8–198 µg/kg,

Ø conc.: 835 µg/kg, country: Canada⁶¹⁸, *and

from USA

incidence: 4/6*, conc. range: 14–35 µg/kg, Ø

conc.: 25 µg/kg, country: Sweden⁶⁸²,

*imported?

incidence: 16/17, conc. range: 2–38 µg/kg, Ø

conc.: 11 µg/kg, country: Argentina⁸¹⁷

see also arepas, asparagus, barley, batter,

beans, beer, bran (maize), bread, cake (rice),

cereals, cereals (breakfast), chamomile, chips

(maize), chips (tortilla), flour (maize), food,

food (baby), foodstuff, grits (maize),

Incaparina, leaves, maize, maize fiber, maize

muffin, maize products, maize silk, maize

starch, masa, meal (maize), meal (sorghum),

milk, muffin mix, nuts (peanut), pancake,

popcorn, rapoko, rice, snacks, sorghum,

soybeans, syrup (sorghum), tea, tortillas,

wheat

FUMONISIN B₂

incidence: 1/4, conc.: 30 µg/kg, country:

Brazil²¹⁵

incidence: 2/10, conc. range: 4–243 µg/kg, Ø

conc.: 123.5 µg/kg, country: Denmark³⁸⁵

incidence: 7/8*, conc. range: 8–235 µg/kg, Ø

conc.: 61.4 µg/kg, country: Italy⁴⁰⁷, *from

Europe

incidence: 3/17, conc. range: 120–466 µg/kg,

Ø conc.: 165.6 µg/kg, country: Taiwan⁴¹⁸

incidence: 1/11, conc.: 23 µg/kg, country:

Canada⁶¹⁴

incidence: 12/25*, conc. range: 11–26 µg/kg,

Ø conc.: 18.4 µg/kg, country: Canada⁶¹⁸,

*and from USA

see also arepas, asparagus, barley, batter, beer, bran (maize), cereals, cereals (breakfast), chips (maize), chips (tortilla), flour (maize), food (baby), foodstuff, grits (maize), Incaparina, maize, maize fiber, maize starch, masa, meal (maize), muffin mix, pancake, popcorn, rice, snacks, tortillas, wheat

FUMONISINS

incidence: 42/6, conc. range: ≤ 400 $\mu\text{g/kg}$, country: USA³⁵⁷

see also beer, bread, cereal (infant), chips (tortilla), flour (maize), grits (maize), maize, maize pops cereal, maize products, maize starch, maize (infant cream corn), meal (maize), muffin mix, pasta, popcorn, porridge, products, sorghum, tortillas

MONILIFORMIN

incidence: 18/46*, conc. range: ≤ 76 $\mu\text{g/kg}$, country: UK⁷⁴³, *different kinds

see also barley, corn on the cob, flour (maize), foodstuff, grits (maize), maize, maize-based thickeners, meal (maize), oats, popcorn, rye, snacks, triticale, wheat

OCHRATOXIN A

incidence: 12/38, conc. range: ≤ 0.1 $\mu\text{g/kg}$, country: Germany⁵⁹²

incidence: 2/13, conc. range: 0.1–0.19 $\mu\text{g/kg}$, country: Germany⁶²³

incidence: 1/34, conc.: 0.4 $\mu\text{g/kg}$, country: Germany⁶⁴⁰

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits

(durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

ZEARALENONE

incidence: 2/6, conc. range: 2–3 $\mu\text{g/kg}$, Ø conc.: 3 $\mu\text{g/kg}$, country: Germany⁵²⁰

see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat,

meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Flakes (oat) may contain the following mycotoxins:

DEOXYNIVALENOL

incidence: 1/7, conc.: 192 µg/kg, country: Germany²⁴⁴

incidence: 1/1, conc.: 10–30 µg/kg, country: Germany⁴³²

incidence: 6/9, conc. range: 11–148 µg/kg, Ø conc.: 48 µg/kg, country: Germany⁵²⁰
see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

3-ACETYLDEOXYNIVALENOL

incidence: 1/9, conc.: 14 µg/kg, country: Germany⁵²⁰

see also barley, bread, cereals, cereals (breakfast), flour (maize), flour (wheat), food, food (baby), grits (maize), maize, oat products, oats, rice, rye, snacks, wheat

HT-2 Toxin

incidence: 7/9, conc. range: 5–19 µg/kg, Ø conc.: 8 µg/kg, country: Germany⁵²⁰

see also barley, bran (oat), bran (wheat), bread, cereal (baby), cereals, cereals (breakfast), flour (maize), flour (wheat), food, food (baby), germ (wheat), grits (maize), groats (oat), maize, noodles, nuts (hazelnut), oat products, oats, products, pumpkin seeds, rye, spices (chilli powder), spices (curry), sunflower seeds, wheat

OCHRATOXIN A

incidence: 4/92, conc. range: 1.2–2.0 µg/kg, country: Germany⁶⁴⁰

incidence: 26/66, conc. range: ≤0.251 µg/kg, Ø conc.: 0.069 µg/kg, country: Germany⁶⁹⁰

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquorice, liquorice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts

(pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

T-2 TOXIN

incidence: 2/9, conc. range: 6–12 µg/kg, Ø conc.: 8 µg/kg, country: Germany⁵²⁰
see also barley, beans, beer, bran (oat), bran (wheat), bread, cereals, cereals (breakfast), flour, flour (maize), flour (wheat), food, grits (maize), maize, nuts (hazelnut), nuts (peanut), oat products, oats, rice, rye, sorghum, spices (curry), spices (ginger), spices (tandoori), sunflower seeds, wheat

Flakes (wheat) may contain the following mycotoxins:

DEOXYNIVALENOL

incidence: 16/20, conc. range: 101–1000 µg/kg (14 sa), 1001–5000 µg/kg (2 sa), country: Portugal³¹⁵
see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt

(barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

OCHRATOXIN A

incidence: 2/19, conc. range: 1–5 µg/kg (2 sa), country: Czechoslovakia⁵⁹⁵
see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquorice, liquorice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls,

rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Flour may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 1*/?, conc.: tr, country: Kenya⁷⁴⁶,

*Jembe backing

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour (gram), flour (maize), flour (wheat), food, food (infant), fruit products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut),

nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 1*/?, conc.: tr, country: Kenya⁷⁴⁶,

*Jembe backing

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika),

spices (pepper), spices (pepper, cayenne),
spices (turmeric), sugar, sunflower seeds,
wheat, wine

DEOXYNIVALENOL

incidence: 1/40, conc.: 188 µg/kg, country:
Egypt⁴²⁷

incidence: 105/134*, conc. range: 15–624
µg/kg, Ø conc.: 90 µg/kg, country:

Germany⁵¹⁷, *white

incidence: 51/77*, conc. range: 15–1670
µg/kg, Ø conc.: 130 µg/kg, country:

Germany⁵¹⁷, *whole grain

incidence: 44/50, conc. range: ≤500 µg/kg,
country: USA⁵⁶¹

incidence: 2/2* **, conc. range: 23–720 µg/kg,

Ø conc.: 371 µg/kg, country: Papua, New
Guinea⁵⁷⁴, *from Australia, **wholemeal
self-raising

incidence: 2/2* **, conc. range: 91–1460
µg/kg, Ø conc.: 775 µg/kg, country: Papua,
New Guinea⁵⁷⁴, *from Australia, **wholemeal
plain

incidence: 36/40, conc. range: 10–100 µg/kg
(33 sa), >100–250 µg/kg (2 sa), 531 µg/kg (1
sa), country: UK⁸³⁶

see also acha, barley, batter, beans, beer,
biscuits, bran (oat), bran (wheat), bread,
cake, cereal (baby), cereals, cereals
(breakfast), chips (maize), crackers, croissant,
figazzas, flakes (corn), flakes (oat), flakes
(wheat), flour (barley), flour (maize), flour
(rye), flour (wheat), food, food (baby), food
(infant), germ (wheat), grains, grits (barley),
grits (maize), grits (wheat), groats (oat),
Job's-tears, knäckebröd, libritos, maize, malt
(barley), malt (wheat), meal (barley), meal
(maize), meal (millet), meal (rye), meal
(wheat), millet, muesli, noodles, oat
products, oats, pancake, popcorn, rice, rye,
snacks, sorghum, soybeans, spices (chilli
powder), spices (coriander), spices (garlic),
spices (ginger), wheat

FUMONISINS (B₁, B₂, B₃)

incidence: 6/8*, conc. range: 150–2400 µg/kg,
Ø conc.: 800 µg/kg, country: USA⁵⁵², *from
Nepal

see also bran (maize), cereals (breakfast),
flour (maize), germ (maize), grains, grits

(maize), maize, maize-based thickeners,
popcorn, snacks, tortillas

NIVALENOL

incidence: 1/2* **, conc.: 13 µg/kg, country:
Papua, New Guinea⁵⁷⁴, *from Australia,

**wholemeal self-raising

incidence: 1/2* **, conc.: 1375 µg/kg,

country: Papua, New Guinea⁵⁷⁴, *from
Australia, **wholemeal plain

incidence: 14/40, conc. range: 11–21 µg/kg,
country: UK⁸³⁶

see also barley, beer, biscuits, bran (wheat),
bread, cake, cereal (baby), cereals, cereals
(breakfast), flour (barley), flour (maize),
flour (rye), flour (wheat), food, germ
(wheat), grits (maize), grits (wheat),
Job's-tears, maize, malt (barley), meal
(millet), millet, noodles, oat products, oats,
rice, rye, snacks, sorghum, soybeans, spices
(chilli sauce), spices (curry), spices (curry
paste), spices (curry powder), spices (garlic),
spices (ginger), spices (tandoori), wheat

OCHRATOXIN A

incidence: 2/7*, conc. range: 490–2900 µg/kg,
Ø conc.: 1695 µg/kg, country: UK⁶⁴⁹, *moldy

incidence: 12/14*, conc. range: 0.2–0.5 µg/kg
(7 sa), 0.6–1 µg/kg (3 sa), 1.1–4 µg/kg (1 sa),
5.3 µg/kg (1 sa), country: UK⁷⁴⁰, *for baking

see also barley, beans, beef, beer, berries
(strawberry), biscuits, bran, bran (barley),
bran (oat), bran (wheat), bread, buckwheat,
butter, cake (cocoa), cereal products, cereals,
cereals (breakfast), cheese, chicken, chicken
muscle, chocolate, chocolate and chocolate
cream, cocoa beans, cocoa mass, cocoa
powder, coffee, coffee beans (green), coppa,
copra, crème puddings, currants, dates,
drink, drink (cocoa), drink (malt), drugs,
duck, extrudates, figs, fish, flakes (cereal),
flakes (corn), flakes (oat), flakes (wheat),
flour (cassava), flour (maize), flour (rye),
flour (wheat), food, food (baby), food
(infant), fruits, fruits (apple), fruits (apricot),
fruits (cherry), fruits (peach), fruits (plum),
fruits (prune), germ (wheat), goose, grits,
grits (durum), grits (maize), groats (barley),
gruel, gruel (oat), ham, jam, joints, juice

(carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

8-KETOTRICHOTHECENE

incidence: 1/8*, conc.: 3000 µg/kg, country: USA⁵⁵², *from Nepal
see also grains

T-2 TOXIN

incidence: 1/40, conc.: 2.2 µg/kg, country: Egypt⁴²⁷
see also barley, beans, beer, bran (oat), bran (wheat), bread, cereals, cereals (breakfast), flakes (oat), flour (maize), flour (wheat), food, grits (maize), maize, nuts (hazelnut), nuts (peanut), oat products, oats, rice, rye, sorghum, spices (curry), spices (ginger), spices (tandoori), sunflower seeds, wheat

ZEARALENONE

incidence: 4/40, Ø conc.: 95 µg/kg, country: Egypt⁴²⁷
incidence: 2/2* **, conc. range: 1450–2150 µg/kg, Ø conc.: 1800 µg/kg, country: Papua, New Guinea⁵⁷⁴, *from Australia, **wholemeal self-raising
incidence: 2/2* **, conc. range: 1400–2570 µg/kg, Ø conc.: 1985 µg/kg, country: Papua, New Guinea⁵⁷⁴, *from Australia, **wholemeal plain
see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Flour (barley) may contain the following mycotoxins:

DEOXYNIVALENOL

incidence: 3/6, conc. range: 8–39 µg/kg, Ø conc.: 23 µg/kg, country: Japan⁵³¹
incidence: 6/6*, conc. range: 27–85 µg/kg, Ø conc.: 53.8 µg/kg, country: Japan⁵⁷², *parched
see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley),

grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

NIVALENOL

incidence: 6/6, conc. range: 13-41 Ø conc.: 28 µg/kg, country: Japan⁵³¹
 incidence: 6/6*, conc. range: 37-190 µg/kg, Ø conc.: 97.7 µg/kg, country: Japan⁵⁷², *parched
 see also barley, beer, biscuits, bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), flour, flour (maize), flour (rye), flour (wheat), food, germ (wheat), grits (maize), grits (wheat), Job's-tears, maize, malt (barley), meal (millet), millet, noodles, oat products, oats, rice, rye, snacks, sorghum, soybeans, spices (chilli sauce), spices (curry), spices (curry paste), spices (curry powder), spices (garlic), spices (ginger), spices (tandoori), wheat

ZEARALENONE

incidence: 6/6, conc. range: 1-4 µg/kg, Ø conc.: 2 µg/kg, country: Japan⁵³¹
 see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel),

spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Flour (cassava) may contain the following mycotoxins:

OCHRATOXIN A

incidence: 2/33*, conc. range: 32-65 µg/kg, Ø conc.: 48.5 µg/kg, country: Brazil⁸¹⁶, *raw
 see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice

powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Flour (gram) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 36/127, conc. range: <20 µg/kg (4 sa), 21–80 µg/kg (3 sa), 81–120 µg/kg (1 sa), 121–250 µg/kg (18 sa), 251–500 µg/kg (5 sa), 501–750 µg/kg (5 sa), country: India³⁰¹
see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (maize), flour (wheat), food, food (infant), fruit products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts

(grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 9/127, conc. range: 21–80 µg/kg (2 sa), 81–120 µg/kg (2 sa), 121–250 µg/kg (5 sa), country: India³⁰¹
see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices

(ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

Flour (maize) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 1/2*, conc.: 15 µg/kg, country: Spain¹⁵⁷, *whole

incidence: 72/124, conc. range: <20 µg/kg (5 sa), 21–80 µg/kg (9 sa), 81–120 µg/kg (6 sa), 121–250 µg/kg (12 sa), 251–500 µg/kg (21 sa), 501–750 µg/kg (9 sa), 751–1000 µg/kg (2 sa), 1000–2000 µg/kg (7 sa), >2000 µg/kg (1 sa), country: India³⁰¹

incidence: 10/?, conc. range: 5–210 µg/kg, Ø conc.: 47 µg/kg, country: Kenya⁷⁴⁶

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (wheat), food, food (infant), fruit products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut),

nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 1/2*, conc.: 4 µg/kg, country:

Spain¹⁵⁷, *whole

incidence: 35/124, conc. range: 21–80 µg/kg (4 sa), 81–120 µg/kg (3 sa), 121–250 µg/kg (18 sa), 251–500 µg/kg (8 sa), 501–750 µg/kg (2 sa), country: India³⁰¹

incidence: 9/?, conc. range: tr–80 µg/kg, country: Kenya⁷⁴⁶

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans,

spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 8/124, conc. range: 121–250 µg/kg (1 sa), 251–500 µg/kg (1 sa), 501–750 µg/kg (4 sa), 1000–2000 µg/kg (2 sa), country:

India³⁰¹

incidence: 2/?, conc. range: 10 µg/kg, Ø

conc.: 10 µg/kg, country: Kenya⁷⁴⁶

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXIN G₂

incidence: 2/?, conc. range: 5 µg/kg, Ø conc.: 5 µg/kg, country: Kenya⁷⁴⁶

see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), cocoa, figs, fish, flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, maize, maize dough, milk (human breast), nuts, nuts

(brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), paste (soybean), popcorn, raisins, rice, sesame seeds, shoyu, soybeans, spices (cardamom), spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine

AFLATOXIN

incidence: 20/30*, conc. range: 3–≤14 µg/kg, country: India¹⁹⁴, *uncooked

see also barley, beer, bran (rice), injera, jars, kocho, maize, maize roti, malt (barley), malt (maize), nuts (peanut), nuts (peanut butter), nuts (pistachio), oil (peanut), paste (pepper, red), rice, spices (pepper)

AFLATOXINS (B₁, B₂)

incidence: ?/172*, conc. range: 0.4–20 µg/kg, country: Kenya²⁷³, *ncac

see also maize, meal (protein supplement), millet, rice, spices

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: ?/4, conc. range: 0.2–0.7 µg/kg, country: UK⁷³²

see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (fig), peas, phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

AFLATOXINS

incidence: 1/2*, conc.: 129 µg/kg, country: USA¹⁹⁷

see also beans, candy (peanut), candy (pistachio), cassava, figs, grain mixtures, grains, maize, maize dough, maize products, melon seeds, millet, nuts, nuts (almond), nuts (brazil), nuts (peanut), nuts (peanut butter), nuts (peanut mix), nuts (peanut products), nuts (pecan), nuts (pistachio), nuts (walnut), nuts and seeds, paste (peanut), paste (pipian), peas, rice, sauce (leaf), snacks, sorghum, spices, spices (chilli), spices (cumin), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper), spices (tandoori), teff, tubers, wheat

DEOXYNIVALENOL

incidence: 13/15, conc. range: 20–452 µg/kg,

Ø conc.: 160 µg/kg, country: Germany⁵¹⁶

incidence: 6/8, conc. range: 20–98 µg/kg, Ø

conc.: 51 µg/kg, country: Germany⁵²⁰

incidence: ?/4, conc. range: 17–67 µg/kg,

country: UK⁷³²

incidence: 4/7, conc. range: 140–2670 µg/kg,

Ø conc.: 905 µg/kg, country: Turkey⁸⁶³

see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

3-ACETYLDEOXYNIVALENOL

incidence: 2/15, conc. range: 14–25 µg/kg,

Ø conc.: 20 µg/kg, country: Germany⁵¹⁶

see also barley, bread, cereals, cereals (breakfast), flakes (oat), flour (wheat), food,

food (baby), grits (maize), maize, oat products, oats, rice, rye, snacks, wheat

15-ACETYLDEOXYNIVALENOL

incidence: 10/15, conc. range: 11–73 µg/kg, Ø

conc.: 40 µg/kg, country: Germany⁵¹⁶

incidence: 3/8, conc. range: 11–30 µg/kg, Ø

conc.: 19 µg/kg, country: Germany⁵²⁰

see also barley, bran (oat), bran (wheat), cereals (breakfast), flour (wheat), food, grits (maize), maize, noodles, oat products, oats, snacks, wheat

FUMONISIN B₁

incidence: 9/11, conc. range: nd–1460 µg/kg,

Ø conc.: 740 µg/kg, country: Brazil²¹⁵

incidence: 1/2*, conc.: 440 µg/kg, country:

Brazil²¹⁵, *baby cereal

incidence: 4/6*, conc. range: nd–1790 µg/kg,

Ø conc.: 1260 µg/kg, country: Brazil²¹⁵,

*precooked

incidence: 13/25*, conc. range: 50.38–349.28

µg/kg, Ø conc.: 157.61 µg/kg, country:

USA²³⁵, *products

incidence: 3/5*, conc. range: 71–9818 µg/kg,

Ø conc.: 5769.3 µg/kg, country: Germany²⁷⁴,

*partly from Italy

incidence: 4/4, conc. range: 24–693 µg/kg,

Ø conc.: 193.5 µg/kg, country: Germany²⁷⁴

incidence: 28/29*, conc. range: 38–4987

µg/kg, Ø conc.: 623.7 µg/kg, country:

Argentina³⁶⁶, *includes two baby cereals

incidence: 5/7, conc. range: 40–90 µg/kg,

Ø conc.: 58 µg/kg, country: The

Netherlands³⁸⁰

incidence: 6/8, conc. range: 17–86 µg/kg,

country: Denmark³⁸⁵

incidence: 1/2, conc.: 608 µg/kg, country:

Taiwan⁴¹⁸

incidence: 8/24, conc. range: 38.7–937.5

µg/kg, country: Spain⁴²¹

see also arepas, asparagus, barley, batter, beans, beer, bran (maize), bread, cake (rice), cereals, cereals (breakfast), chamomile, chips (maize), chips (tortilla), flakes (corn), food, food (baby), foodstuff, grits (maize), Incaparina, leaves, maize, maize fiber, maize muffin, maize products, maize silk, maize starch, masa, meal (maize), meal (sorghum),

milk, muffin mix, nuts (peanut), pancake, popcorn, rapoko, rice, snacks, sorghum, soybeans, syrup (sorghum), tea, tortillas, wheat

FUMONISIN B₂

incidence: 9/11, conc. range: nd–510 µg/kg,

Ø conc.: 270 µg/kg, country: Brazil²¹⁵

incidence: 1/2*, conc.: 50 µg/kg, country:

Brazil²¹⁵, *baby cereal

incidence: 4/6*, conc. range: nd–420 µg/kg,

Ø conc.: 310 µg/kg, country: Brazil²¹⁵,

*precooked

incidence: 1/25*, conc.: 123.85 µg/kg,

country: USA²³⁵, *products

incidence: 4/4, conc. range: 10–2212 µg/kg, Ø

conc.: 561.8 µg/kg, country: Germany²⁷⁴

incidence: 27/29*, conc. range: 15–1818

µg/kg, Ø conc.: 222.1 µg/kg, country:

Argentina³⁶⁶, *includes two baby cereals

incidence: 6/8, conc. range: 7–24 µg/kg,

country: Denmark³⁸⁵

see also arepas, asparagus, barley, batter, beer,

bran (maize), cereals, cereals (breakfast),

chips (maize), chips (tortilla), flakes (corn),

food (baby), foodstuff, grits (maize),

Incaparina, maize, maize fiber, maize starch,

masa, meal (maize), muffin mix, pancake,

popcorn, rice, snacks, tortillas, wheat

FUMONISIN B₃

incidence: 2/25*, conc. range: 41.78–42.81

µg/kg, Ø conc.: 42.3 µg/kg, country: USA²³⁵,

*products

see also barley, cereal products, cereals, food

(baby), Incaparina, maize, meal (maize),

pancake, popcorn, rice, snacks

FUMONISINS (B₁, B₂)

incidence: 1/4, conc.: 218 µg/kg, country:

UK⁷³²

see also beer, food (infant), maize, meal

(maize), noodles, rice, spice powder, spices

(chilli pickle), spices (curry), spices (curry

paste), spices (curry powder), spices

(tandoori)

FUMONISINS (B₁, B₂, B₃)

incidence: 12/12, conc. range: 200–1100

µg/kg, Ø conc.: 375 µg/kg, country: USA³⁷⁰

see also bran (maize), cereals (breakfast), flour, germ (maize), grains, grits (maize), maize, maize-based thickeners, popcorn, snacks, tortillas

FUMONISINS

incidence: 22/22*, conc. range: 14–487 µg/kg,

Ø conc.: 187 µg/kg, country: Czech

Republic⁶⁷⁰, *gluten-free

see also beer, bread, cereal (infant), chips

(tortilla), flakes (corn), grits (maize), maize,

maize pops cereal, maize products, maize

starch, maize (infant cream corn), meal

(maize), muffin mix, pasta, popcorn,

porridge, products, sorghum, tortillas

FUSARENON X

incidence: 2/15, conc. range: 29 µg/kg, Ø

conc.: 29 µg/kg, country: Germany⁵¹⁶

see also cereals (breakfast), food, maize, oat

products, spices (curry), spices (garlic)

HT-2 TOXIN

incidence: 4/15, conc. range: 5 µg/kg, Ø

conc.: 5 µg/kg, country: Germany⁵¹⁶

see also barley, bran (oat), bran (wheat),

bread, cereal (baby), cereals, cereals

(breakfast), flakes (oat), flour (wheat), food,

food (baby), germ (wheat), grits (maize),

groats (oat), maize, noodles, nuts (hazelnut),

oat products, oats, products, pumpkin seeds,

rye, spices (chilli powder), spices (curry),

sunflower seeds, wheat

MONILIFORMIN

incidence: 3/6*, conc. range: 100–250 µg/kg,

Ø conc.: 160 µg/kg, country: UK⁵²⁴, *and

from USA and unknown origin

incidence: 9/9, conc. range: 33–285 µg/kg, Ø

conc.: 141 µg/kg, country: UK⁷⁴³

see also barley, corn on the cob, flakes

(corn), foodstuff, grits (maize), maize,

maize-based thickeners, meal (maize), oats,

popcorn, rye, snacks, triticale, wheat

NIVALENOL

incidence: 4/15, conc. range: 22–58 µg/kg, Ø

conc.: 39 µg/kg, country: Germany⁵¹⁶

see also barley, beer, biscuits, bran (wheat),

bread, cake, cereal (baby), cereals, cereals

(breakfast), flour, flour (barley), flour (rye),

flour (wheat), food, germ (wheat), grits (maize), grits (wheat), Job's-tears, maize, malt (barley), meal (millet), millet, noodles, oat products, oats, rice, rye, snacks, sorghum, soybeans, spices (chilli sauce), spices (curry), spices (curry paste), spices (curry powder), spices (garlic), spices (ginger), spices (tandoori), wheat

OCHRATOXIN A

incidence: 1/17, conc.: 64 µg/kg, country: Brazil²³⁰

incidence: ?/172*, conc. range: 50–1500 µg/kg, country: Kenya²⁷³, *ncac

incidence: 1/4, conc.: 0.6 µg/kg, country: UK⁷³²

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqueurice, liqueurice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil

(sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

T-2 TOXIN

incidence: 2/12, conc. range: 1600–4080 µg/kg, Ø conc.: 2840 µg/kg, country: Turkey²¹¹

incidence: 4/15, conc. range: 6–11 µg/kg, Ø conc.: 7 µg/kg, country: Germany⁵¹⁶
see also barley, beans, beer, bran (oat), bran (wheat), bread, cereals, cereals (breakfast), flakes (oat), flour, flour (wheat), food, grits (maize), maize, nuts (hazelnut), nuts (peanut), oat products, oats, rice, rye, sorghum, spices (curry), spices (ginger), spices (tandoori), sunflower seeds, wheat

ZEARALENONE

incidence: ?/172*, conc. range: 2500–5000 µg/kg, country: Kenya²⁷³, *ncac

incidence: 13/15, conc. range: 2–136 µg/kg, Ø conc.: 40 µg/kg, country: Germany⁵¹⁶

incidence: 6/8, conc. range: 2–40 µg/kg, Ø conc.: 12 µg/kg, country: Germany⁵²⁰

incidence: ?/4, conc. range: 6.5–40.8 µg/kg, country: UK⁷³²

incidence: 4/8, conc. range: 8–17.3 µg/kg, country: UK⁸³⁶

see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese,

crackers, flakes (corn), flour, flour (barley), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Flour (rye) may contain the following mycotoxins:

DEOXYNIVALENOL

incidence: 1/1* **, conc.: 174 µg/kg, country: Japan⁵³⁸, *from Germany, **ncac
see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

ERGOCORNINE

incidence: 2/3, conc. range: 6.4–6.9 µg/kg, Ø conc.: 6.65 µg/kg, country: Canada⁸⁰⁶
see also bread, flour (wheat), pancake, triticale

ERGOCRISTINE

incidence: 3/3, conc. range: 19–23 µg/kg, Ø conc.: 20.3 µg/kg, country: Canada⁸⁰⁶
see also bread, flour (wheat), pancake, triticale

ERGOMETRINE

incidence: 3/3, conc. range: 2.7–6.1 µg/kg, Ø conc.: 4.7 µg/kg, country: Canada⁸⁰⁶
see also bread, flour (wheat), pancake, triticale

ERGOSINE

incidence: 2/3, conc. range: 14 µg/kg, Ø conc.: 14 µg/kg, country: Canada⁸⁰⁶
see also bread, flour (wheat), pancake, triticale

ERGOTAMINE

incidence: 3/3, conc. range: 8.6–51 µg/kg, Ø conc.: 34.2 µg/kg, country: Canada⁸⁰⁶
see also bread, flour (wheat), pancake, triticale

α-ERGOKRYPTINE

incidence: 2/3, conc. range: 13–58 µg/kg, Ø conc.: 39 µg/kg, country: Canada⁸⁰⁶
see also bread, flour (wheat), pancake, triticale

NIVALENOL

incidence: 1/1* **, conc.: 3 µg/kg, country: Japan⁵³⁸, *from Germany, **ncac
see also barley, beer, biscuits, bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), flour, flour (barley), flour (maize), flour (wheat), food, germ (wheat), grits (maize), grits (wheat), Job's-tears, maize, malt (barley), meal (millet), millet, noodles, oat products, oats, rice, rye, snacks, sorghum, soybeans, spices (chilli sauce), spices (curry), spices (curry paste), spices (curry powder), spices (garlic), spices (ginger), spices (tandoori), wheat

OCHRATOXIN A

incidence: 137/165*, conc. range: ≤9.8 µg/kg, Ø conc.: 0.8 µg/kg**, country: Denmark²⁶⁵, *cg, **arithmetic mean
incidence: 140/155*, conc. range: ≤68 µg/kg, Ø conc.: 1.8 µg/kg**, country: Denmark²⁶⁵, *og, **arithmetic mean

incidence: 20/26*, conc. range: ≤ 6.4 $\mu\text{g/kg}$, $\emptyset$ conc.: 0.422 $\mu\text{g/kg}$, country: Germany⁶⁹⁰, * < T997

incidence: 68/71*, conc. range: ≤ 2.145 $\mu\text{g/kg}$, $\emptyset$ conc.: 0.316 $\mu\text{g/kg}$, country: Germany⁶⁹⁰, * > T997

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder),

spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Flour (wheat) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 1/83, conc.: 25.6 $\mu\text{g/kg}$, country: Malaysia³

incidence: 21/238, $\emptyset$ conc.: 4.13 $\mu\text{g/kg}$, country: Croatia⁶⁶

incidence: 27*/106, conc. range: 109–693 $\mu\text{g/kg}$, country: Nepal²³⁹, * > 30 $\mu\text{g/kg}$

incidence: 54/165, conc. range: 21–80 $\mu\text{g/kg}$ (6 sa), 81–120 $\mu\text{g/kg}$ (2 sa), 121–250 $\mu\text{g/kg}$ (23 sa), 251–500 $\mu\text{g/kg}$ (12 sa), 501–750 $\mu\text{g/kg}$ (7 sa), 751–1000 $\mu\text{g/kg}$ (3 sa), 1000–2000 $\mu\text{g/kg}$ (1 sa), country: India³⁰¹

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), food, food (infant), fruit products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk

products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 4/83, conc. range: 11.3–253 µg/kg, Ø conc.: 75.2 µg/kg, country: Malaysia³
 incidence: 28/165, conc. range: <20 µg/kg (4 sa), 21–80 µg/kg (1 sa), 81–120 µg/kg (12 sa), 121–250 µg/kg (8 sa), 251–500 µg/kg (3 sa), country: India³⁰¹
 see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products),

nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 3/83, conc. range: 25–289 µg/kg, Ø conc.: 135 µg/kg, country: Malaysia³
 incidence: 5/165, conc. range: 251–500 µg/kg (2 sa), 501–750 µg/kg (3 sa), country: India³⁰¹
 see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXIN G₂

incidence: 11/83, conc. range: 16.3–436 µg/kg, Ø conc.: 153 µg/kg, country: Malaysia³
 see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), cocoa, figs, fish, flour (maize), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, maize, maize

dough, milk (human breast), nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), paste (soybean), popcorn, raisins, rice, sesame seeds, shoyu, soybeans, spices (cardamom), spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine

DEOXYNIVALENOL

incidence: 14/40, conc. range: 50–175 µg/kg, Ø conc.: 94 µg/kg, country: Argentina³²⁸
 incidence: 13/17, conc. range: 1500–5800 µg/kg, Ø conc.: 4000 µg/kg, country: USA⁴²⁴, */muffin mix
 incidence: 9/12*, conc. range: 430–4850 µg/kg, country: India⁴³⁰, *refined
 incidence: 2/5, conc. range: 346–8380 µg/kg, country: India⁴³⁰
 incidence: 2/2, conc.: 10–40 µg/kg, country: Germany⁴³²
 incidence: 61/61, conc. range: 250–9000 µg/kg, Ø conc.: 1309 µg/kg, country: Argentina⁵⁰⁵
 incidence: 36/36*, conc. range: 65–1379 µg/kg, Ø conc.: 394 µg/kg, country: Germany⁵¹⁹, *co
 incidence: 23/24*, conc. range: 15–756 µg/kg, Ø conc.: 131 µg/kg, country: Germany⁵¹⁹, *oo
 incidence: 26/36*, conc. range: 2–239 µg/kg, Ø conc.: 38 µg/kg, country: Japan⁵³¹, *and unknown origin
 incidence: 4/6*, conc. range: 5–50 µg/kg, Ø conc.: 22.3 µg/kg, country: Japan⁵³², *and unknown origin
 incidence: 5/31, con. range: 400–800 µg/kg, Ø conc.: 560 µg/kg, country: Argentina⁵⁴²
 incidence: 3/3*, con. range: 11–690 µg/kg, Ø conc.: 251 µg/kg, country: Japan⁵⁴⁹, *from China
 incidence: 1/1* **, con.: 1720 µg/kg, country: Papua, New Guinea⁵⁷⁴, *from Australia, **fine-ground biscuit

incidence: 1/1* **, con.: 2270 µg/kg, country: Papua, New Guinea⁵⁷⁴, *from Australia, **raw

incidence: 60/61, conc. range: 20–49 µg/kg (22 sa), 50–99 µg/kg (30 sa), 100–249 µg/kg (8 sa, with a maximum of 234 µg/kg), country: UK⁷⁷⁴

incidence: 2/19* **, conc. range: 350–8380 µg/kg, Ø conc.: 4365 µg/kg, country: India⁷⁸⁸, *whole, **partly rain-affected
 incidence: 11/37* **, conc. range: 440–4850 µg/kg, country: India⁷⁸⁸, *refined, **partly rain-affected

see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

ACETYLDEOXYNIVALENOL

incidence: 4/22*, conc. range: 600–2400 µg/kg, country: India⁴³⁰, *refined
 incidence: 4/37* **, conc. range: 640–2490 µg/kg, country: India⁷⁸⁸, *refined, **partly rain-affected
 see also wheat

3-ACETYLDEOXYNIVALENOL

incidence: 1/19*, conc.: 11 µg/kg, country: Germany⁵¹⁹, *whole-grain
 see also barley, bread, cereals, cereals (breakfast), flakes (oat), flour (maize), food, food (baby), grits (maize), maize, oat products, oats, rice, rye, snacks, wheat

15-ACETYLDEOXYNIVALENOL

incidence: 2/19*, conc. range: 15 µg/kg, Ø conc.: 15 µg/kg, country: Germany⁵¹⁹, *whole-grain

see also barley, bran (oat), bran (wheat), cereals (breakfast), flour (maize), food, grits (maize), maize, noodles, oat products, oats, snacks, wheat

ERGOCORNINE

incidence: 1/1*, conc.: 0.6 µg/kg, country: Canada⁸⁰⁶, *enriched

incidence: 3/3*, conc. range: 3.5–7.3 µg/kg, Ø conc.: 5.7 µg/kg, country: Canada⁸⁰⁶, *whole
see also bread, flour (rye), pancake, triticale

ERGOCRISTINE

incidence: 1/1*, conc.: 3.1 µg/kg, country: Canada⁸⁰⁶, *enriched

incidence: 3/3*, conc. range: 19–23 µg/kg, Ø conc.: 20.3 µg/kg, country: Canada⁸⁰⁶, *whole
see also bread, flour (rye), pancake, triticale

ERGOMETRINE

incidence: 1/1*, conc.: 0.4 µg/kg, country: Canada⁸⁰⁶, *enriched

incidence: 3/3*, conc. range: 2–3.5 µg/kg, Ø conc.: 2.56 µg/kg, country: Canada⁸⁰⁶, *whole
see also bread, flour (rye), pancake, triticale

ERGOSINE

incidence: 1/1*, conc.: 0.5 µg/kg, country: Canada⁸⁰⁶, *enriched

incidence: 3/3*, conc. range: 1.9–6.7 µg/kg, Ø conc.: 3.63 µg/kg, country: Canada⁸⁰⁶, *whole
see also bread, flour (rye), pancake, triticale

ERGOTAMINE

incidence: 1/1*, conc.: 1.5 µg/kg, country: Canada⁸⁰⁶, *enriched

incidence: 3/3*, conc. range: 7.4–9.1 µg/kg, Ø conc.: 8.36 µg/kg, country: Canada⁸⁰⁶, *whole
see also bread, flour (rye), pancake, triticale

α-ERGOKRYPTINE

incidence: 1/1*, conc.: 0.8 µg/kg, country: Canada⁸⁰⁶, *enriched

incidence: 3/3*, conc. range: 2.8–8.3 µg/kg, Ø conc.: 5.76 µg/kg, country: Canada⁸⁰⁶, *whole
see also bread, flour (rye), pancake, triticale

HT-2 TOXIN

incidence: 1/13*, conc.: 12 µg/kg, country: Germany⁵¹⁹, *white

incidence: 3/19*, conc. range: 12 µg/kg, Ø conc.: 12 µg/kg, country: Germany⁵¹⁹, *whole-grain

see also barley, bran (oat), bran (wheat), bread, cereal (baby), cereals, cereals (breakfast), flakes (oat), flour (maize), food, food (baby), germ (wheat), grits (maize), groats (oat), maize, noodles, nuts (hazelnut), oat products, oats, products, pumpkin seeds, rye, spices (chilli powder), spices (curry), sunflower seeds, wheat

NIVALENOL

incidence: 2/22*, conc. range: 30–100 µg/kg, Ø conc.: 65 µg/kg, country: India⁴³⁰, *refined

incidence: 1/28*, conc.: 25 µg/kg, country: Germany⁵¹⁹, *white

incidence: 1/13*, conc.: 25 µg/kg, country: Germany⁵¹⁹, *white

incidence: 5/19*, conc. range: 25–40 µg/kg, Ø conc.: 28 µg/kg, country: Germany⁵¹⁹, *whole-grain

incidence: 12/36*, conc. range: 4–84 µg/kg, Ø conc.: 24 µg/kg, country: Japan⁵³¹, *and unknown origin

incidence: 1/6*, conc.: 12 µg/kg, country: Japan⁵³², *and unknown origin

incidence: 1/1* **, conc.: 310 µg/kg, country: Papua, New Guinea⁵⁷⁴, *from Australia, **fine-ground biscuit

incidence: 2/37* **, conc. range: 38–100 µg/kg, country: India⁷⁸⁸, *refined, **partly rain-affected

see also barley, beer, biscuits, bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), flour, flour (barley), flour (maize), flour (rye), food, germ (wheat), grits (maize), grits (wheat), Job's-tears, maize, malt (barley), meal (millet), millet, noodles, oat products, oats, rice, rye, snacks, sorghum, soybeans, spices (chilli sauce), spices (curry), spices (curry paste), spices (curry powder), spices (garlic), spices (ginger), spices (tandoori), wheat

OCHRATOXIN A

incidence: 108/156*, conc. range: ≤16 µg/kg, Ø conc.: 0.3 µg/kg**, country: Denmark²⁶⁵,

*cg, **arithmetic mean

incidence: 101/120*, conc. range: ≤19 µg/kg, Ø conc.: 0.5 µg/kg**, country: Denmark²⁶⁵,

*og, **arithmetic mean

incidence: 12/13*, conc. range: 0.1–1.9 µg/kg, Ø conc.: 0.5 µg/kg, country: Switzerland⁵⁷⁸, *brown

incidence: 2/16, conc. range: 0.11–0.15 µg/kg, Ø conc.: 0.13 µg/kg**, country: Hungary⁵⁹³

incidence: 6/27, conc. range: 1–5 µg/kg (6 sa), country: Czechoslovakia⁵⁹⁵

incidence: 1/4*, conc. range: 0.3–0.5 µg/kg, country: Taiwan⁶⁰⁷, *whole

incidence: 82/98*, conc. range: ≤1 µg/kg, Ø conc.: 0.105 µg/kg, country: Germany⁶⁹⁰, *<T550

incidence: 77/83*, conc. range: ≤1.732 µg/kg, Ø conc.: 0.203 µg/kg, country: Germany⁶⁹⁰, *>T550

incidence: 7/61, conc. range: 0.3–0.9 µg/kg (2 sa), 1–2.4 µg/kg (4 sa), 2.8 µg/kg (1 sa), country: UK⁷⁷⁴

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, coppa, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts

(coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

T-2 TOXIN

incidence: 2/22*, conc. range: 550–800 µg/kg, Ø conc.: 675 µg/kg, country: India⁴³⁰, *refined

incidence: 1/19*, conc.: 4 µg/kg, country: Germany⁵¹⁹, *whole-grain

incidence: 1/37* **, conc.: 800 µg/kg, country: India⁷⁸⁸, *refined, **partly rain-affected

see also barley, beans, beer, bran (oat), bran (wheat), bread, cereals, cereals (breakfast), flakes (oat), flour, flour (maize), food, grits (maize), maize, nuts (hazelnut), nuts (peanut), oat products, oats, rice, rye, sorghum, spices (curry), spices (ginger), spices (tandoori), sunflower seeds, wheat

ZEARALENONE

incidence: 2/17*, conc. range: 12–14 µg/kg, Ø conc.: 13 µg/kg, country: USA⁴²⁴, */muffin mix

incidence: 3/28*, conc. range: 1–2 µg/kg, Ø conc.: 1 µg/kg, country: Germany⁵¹⁹, *white
incidence: 4/13*, conc. range: 1–8 µg/kg, Ø conc.: 4 µg/kg, country: Germany⁵¹⁹, *white

incidence: 15/19*, conc. range: 2–24 µg/kg, Ø conc.: 6 µg/kg, country: Germany⁵¹⁹,

*whole-grain

incidence: 3/27, conc. range: 1–6 µg/kg, Ø conc.: 3 µg/kg, country: Japan⁵³¹

incidence: 1/1* **, conc.: 250 µg/kg, country: Papua, New Guinea⁵⁷⁴, *from Australia,

**raw

see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Food may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 30/322*, conc. range: ≤793 µg/kg, Ø conc.: 60 µg/kg, country: Brazil¹²⁹, *cooked

incidence: 4/32*, conc. range: 8–11 µg/kg, country: Korea⁷⁸⁵, *barley-based

incidence: 4/47*, conc. range: 8–10 µg/kg, country: Korea⁷⁸⁵, *maize-based

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food (infant), fruit products, fruits (apricot),

fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 28/322*, conc. range: ≤194 µg/kg, Ø conc.: 30 µg/kg, country: Brazil¹²⁹, *cooked

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food (infant), fruits (lemon), fruits (mango), Ga Kenkey,

grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 16/322*, conc. range: ≤ 268 µg/kg, Ø conc.: 52 µg/kg, country: Brazil¹²⁹, *cooked
see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne),

spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXIN G₂

incidence: 21/322*, conc. range: ≤ 152 µg/kg, Ø conc.: 20 µg/kg, country: Brazil¹²⁹, *cooked
see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), cocoa, figs, fish, flour (maize), flour (wheat), fruits (lemon), fruits (mango), Ga Kenkey, gruel, maize, maize dough, milk (human breast), nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), paste (soybean), popcorn, raisins, rice, sesame seeds, shoyu, soybeans, spices (cardamom), spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 22/364*, Ø conc.: 510 µg/kg, max. conc.: 3904 µg/kg, country: Thailand¹⁶³,

*prepared

incidence: ?/8*, conc. range: 0.2–1.4 µg/kg, country: UK⁷³², *canned

see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (fig), peas, phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

CITRININ

incidence: 10/33* **, conc. range: 22–105 µg/kg, country: Germany⁷¹⁵, *imported, **vegetarian “meat-like” and Asian
see also angkak (red mold rice), barley, cereals, cheese, food colorant, fruits (apple), maize, maize dough, meal (copra), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), oil seed rape, olives, rice, spices, spices (cardamom), spices (coriander), spices (cumin), spices (fennel), spices (pepper), spices (turmeric), wheat

DEOXYNIVALENOL

incidence: 15/29, conc. range: 15–505 µg/kg, Ø conc.: 138 µg/kg, country: Germany⁵¹⁷
incidence: 9/23*, conc. range: 11–227 µg/kg, Ø conc.: 55 µg/kg, country: Germany⁵²⁰, *gluten-free
incidence: 545/1257*, conc. range: 9–4060 µg/kg, country: Canada⁵²¹, *wheat-based
incidence: ?/8*, conc. range: 4–9 µg/kg, country: UK⁷³², *canned
see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job’s-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

3-ACETYLDEOXYNIVALENOL

incidence: 2/29, conc. range: 11 µg/kg, Ø conc.: 11 µg/kg, country: Germany⁵¹⁷
see also barley, bread, cereals, cereals (breakfast), flakes (oat), flour (maize), flour (wheat), food (baby), grits (maize), maize, oat products, oats, rice, rye, snacks, wheat

15-ACETYLDEOXYNIVALENOL

incidence: 5/23*, conc. range: 11–98 µg/kg, Ø conc.: 33 µg/kg, country: Germany⁵²⁰, *gluten-free
see also barley, bran (oat), bran (wheat), cereals (breakfast), flour (maize), flour (wheat), grits (maize), maize, noodles, oat products, oats, snacks, wheat

FUMONISIN B₁

incidence: 7/47*, conc. range: 43–119 µg/kg, country: Korea⁷⁸⁵, *maize-based
see also arepas, asparagus, barley, batter, beans, beer, bran (maize), bread, cake (rice), cereals, cereals (breakfast), chamomile, chips (maize), chips (tortilla), flakes (corn), flour (maize), food (baby), foodstuff, grits (maize), Incaparina, leaves, maize, maize fiber, maize muffin, maize products, maize silk, maize starch, masa, meal (maize), meal (sorghum), milk, muffin mix, nuts (peanut), pancake, popcorn, rapoko, rice, snacks, sorghum, soybeans, syrup (sorghum), tea, tortillas, wheat

FUSARENON X

incidence: 1/8*, conc.: 15 µg/kg, country: UK⁷³², *canned
see also cereals (breakfast), flour (maize), maize, oat products, spices (curry), spices (garlic)

HT-2 TOXIN

incidence: 11/29, conc. range: 12–51 µg/kg, Ø conc.: 21 µg/kg, country: Germany⁵¹⁷
incidence: 2/23*, conc. range: 5 µg/kg, Ø conc.: 5 µg/kg, country: Germany⁵²⁰, *gluten-free
see also barley, bran (oat), bran (wheat), bread, cereal (baby), cereals, cereals (breakfast), flakes (oat), flour (maize), flour (wheat), food (baby), germ (wheat), grits (maize), groats (oat), maize, noodles, nuts (hazelnut), oat products, oats, products, pumpkin seeds, rye, spices (chilli powder), spices (curry), sunflower seeds, wheat

NIVALENOL

incidence: 2/29, conc. range: 25–231 µg/kg, Ø conc.: 128 µg/kg, country: Germany⁵¹⁷

incidence: 1/23*, conc.: 21 µg/kg, country: Germany⁵²⁰, *gluten-free

incidence: 1/8*, conc.: 18 µg/kg, country: UK⁷³², *canned

see also barley, beer, biscuits, bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), flour, flour (barley), flour (maize), flour (rye), flour (wheat), germ (wheat), grits (maize), grits (wheat), Job's-tears, maize, malt (barley), meal (millet), millet, noodles, oat products, oats, rice, rye, snacks, sorghum, soybeans, spices (chilli sauce), spices (curry), spices (curry paste), spices (curry powder), spices (garlic), spices (ginger), spices (tandoori), wheat

OCHRATOXIN A

incidence: 2/8*, conc. range: 0.1–0.3 µg/kg, country: UK⁷³², *canned

incidence: 4/32*, conc. range: 7–8 µg/kg, country: Korea⁷⁸⁵, *barley-based

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquorice, liquorice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk

(human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

T-2 TOXIN

incidence: 6/29, conc. range: 4–39 µg/kg, Ø conc.: 18 µg/kg, country: Germany⁵¹⁷

incidence: 1/23*, conc.: 6 µg/kg, country: Germany⁵²⁰, *gluten-free

see also barley, beans, beer, bran (oat), bran (wheat), bread, cereals, cereals (breakfast), flakes (oat), flour, flour (maize), flour (wheat), grits (maize), maize, nuts (hazelnut), nuts (peanut), oat products, oats, rice, rye, sorghum, spices (curry), spices (ginger), spices (tandoori), sunflower seeds, wheat

ZEARALENONE

incidence: 13/23*, conc. range: 2–14 µg/kg, Ø conc.: 6 µg/kg, country: Germany⁵²⁰,

*gluten-free

incidence: 17/336*, conc. range: 5–178 µg/kg, country: Canada⁵²¹

incidence: 1/8*, conc.: 6.1 µg/kg, country: UK⁷³², *canned

see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal

(baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Food colorant may contain the following mycotoxins:

CITRININ

incidence: 2/2*, conc. range: 157–2800 µg/kg, Ø conc.: 1478 µg/kg, country: Germany⁷¹⁵, *imported?

see also angkak (red mold rice), barley, cereals, cheese, food, fruits (apple), maize, maize dough, meal (copra), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), oil seed rape, olives, rice, spices, spices (cardamom), spices (coriander), spices (cumin), spices (fennel), spices (pepper), spices (turmeric), wheat

Food (baby) may contain the following mycotoxins:

DEOXYNIVALENOL

incidence: 15/25, conc. range: 15–314 µg/kg, Ø conc.: 61 µg/kg, country: Germany⁵¹⁷

incidence: 7/18*, conc. range: ≤90 µg/kg, country: USA⁵⁴⁵, *cereals

incidence: 5/10*, conc. range: ≤70 µg/kg, country: USA⁵⁴⁵, *cookies

incidence: 1/3*, conc.: 40 µg/kg, country: USA⁵⁴⁵, *toast

incidence: 1/8*, conc.: 40 µg/kg, country: USA⁵⁴⁵, *cream corn, noodles

see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

3-ACETYLDEOXYNIVALENOL

incidence: 1/25, conc.: 11 µg/kg, country: Germany⁵¹⁷

see also barley, bread, cereals, cereals (breakfast), flakes (oat), flour (maize), flour (wheat), food, grits (maize), maize, oat products, oats, rice, rye, snacks, wheat

FUMONISIN B₁

incidence: 12/12* **, conc. range: 60–893 µg/kg, Ø conc.: 355 µg/kg, country: South Africa⁶¹⁵, *from Brazil, **instant maize-based

see also arepas, asparagus, barley, batter, beans, beer, bran (maize), bread, cake (rice), cereals, cereals (breakfast), chamomile, chips (maize), chips (tortilla), flakes (corn), flour (maize), food, foodstuff, grits (maize), Incaparina, leaves, maize, maize fiber, maize muffin, maize products, maize silk, maize starch, masa, meal (maize), meal (sorghum), milk, muffin mix, nuts (peanut), pancake, popcorn, rapoko, rice, snacks, sorghum, soybeans, syrup (sorghum), tea, tortillas, wheat

FUMONISIN B₂

incidence: 7/12* **, conc. range: nd–145 µg/kg, Ø conc.: 90 µg/kg, country: South Africa⁶¹⁵, *from Brazil, **instant maize-based
see also arepas, asparagus, barley, batter, beer, bran (maize), cereals, cereals (breakfast), chips (maize), chips (tortilla), flakes (corn),

flour (maize), foodstuff, grits (maize), Incaparina, maize, maize fiber, maize starch, masa, meal (maize), muffin mix, pancake, popcorn, rice, snacks, tortillas, wheat

FUMONISIN B₃

incidence: 7/12* **, conc. range: nd–58 µg/kg, Ø conc.: 49 µg/kg, country: South Africa⁶¹⁵, *from Brazil, **instant maize-based see also barley, cereal products, cereals, flour (maize), Incaparina, maize, meal (maize), pancake, popcorn, rice, snacks

HT-2 TOXIN

incidence: 1/25, conc.: 12 µg/kg, country: Germany⁵¹⁷ see also barley, bran (oat), bran (wheat), bread, cereal (baby), cereals, cereals (breakfast), flakes (oat), flour (maize), flour (wheat), food, germ (wheat), grits (maize), groats (oat), maize, noodles, nuts (hazelnut), oat products, oats, products, pumpkin seeds, rye, spices (chilli powder), spices (curry), sunflower seeds, wheat

OCHRATOXIN A

incidence: 6/10* **, conc. range: 0.14–0.65 µg/kg, country: Italy⁵⁷⁹, *c, **batches incidence: 1/10* ** ***, conc.: 0.18 µg/kg, country: Italy⁵⁷⁹, *semolina, **o, ***batches incidence: 5/11* ** ***, conc. range: 0.24–0.74 µg/kg, country: Italy⁵⁷⁹, *rice, **o, ***batches

incidence: 8/10* ** ***, conc. range: ≤0.4? µg/kg, country: Italy⁵⁷⁹, *multicereal, **c, ***batches

incidence: 14/15*, conc. range: ≤0.74 µg/kg, country: Spain⁶⁰⁹, *multi-cereals

incidence: 2/34*, conc. range: 0.1–0.2 µg/kg, Ø conc.: 0.2 µg/kg, country: Germany⁶⁴⁰, *multi-cereals

incidence: 20/182*, conc. range: 0.05–0.57 µg/kg, Ø conc.: 0.16 µg/kg, country: UK⁸³⁷, *and from different countries

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate

cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

PATULIN

incidence: 11/42*, conc. range: 10–100 µg/kg, Ø conc.: 20 µg/kg, country: France⁸⁵³, *apple-based

see also apple cider, apple flavor, apples (stewed fruit), berries (blueberry), berries (lingonberry), berries (mulberry), berries (raspberry), berries (strawberry), cassava, cheese, fruit products, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (pear), fruits (plum), jam, jam (apple), juice, juice (apple), juice (apple-acerola), juice (apple, concentrate), juice (cherry), juice (currant), juice (fruit), juice (grape), juice (orange), juice (peach), juice (pear), must, pulp (plum), syrup (apple), vinegar

Food (infant) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 30/30*, conc. range: 0.004–0.161 µg/kg, country: Canada⁵⁵⁹, *soy-based incidence: 14/26*, conc. range: 0.002–0.996 µg/kg, country: Canada⁵⁵⁹, *rice-based incidence: 42/88*, conc. range: 0.002–0.080 µg/kg, country: Canada⁵⁵⁹, *mixed-grain incidence: 3/27*, conc. range: 0.003–0.009 µg/kg, country: Canada⁵⁵⁹, *barley-based incidence: 2/10, conc. range: tr–5 µg/kg, country: Argentina⁸⁵⁴

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, fruit products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho),

meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 20/30*, conc. range: 0.002–0.019 µg/kg, country: Canada⁵⁵⁹, *soy-based incidence: 11/26*, conc. range: 0.002–0.108 µg/kg, country: Canada⁵⁵⁹, *rice-based incidence: 9/88*, conc. range: 0.002–0.012 µg/kg, country: Canada⁵⁵⁹, *mixed-grain see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts

(peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

DEOXYNIVALENOL

incidence: 33/53*, conc. range: ≤ 90 $\mu\text{g/kg}$, $\emptyset$ conc.: 52 $\mu\text{g/kg}$, country: Canada⁷⁹⁶,
 *oat-based
 incidence: 29/50*, conc. range: ≤ 980 $\mu\text{g/kg}$,
 $\emptyset$ conc.: 260 $\mu\text{g/kg}$, country: Canada⁷⁹⁶,
 *barley-based
 incidence: 8/8*, conc. range: ≤ 240 $\mu\text{g/kg}$, $\emptyset$ conc.: 116 $\mu\text{g/kg}$, country: Canada⁷⁹⁶,
 *soy-based
 incidence: 62/86*, conc. range: ≤ 400 $\mu\text{g/kg}$,
 $\emptyset$ conc.: 116 $\mu\text{g/kg}$, country: Canada⁷⁹⁶,
 *multi-grain
 incidence: 18/24*, conc. range: ≤ 120 $\mu\text{g/kg}$,
 $\emptyset$ conc.: 60 $\mu\text{g/kg}$, country: Canada⁷⁹⁶,
 *teething biscuits
 incidence: 5/10, conc. range: 250–1000 $\mu\text{g/kg}$,
 $\emptyset$ conc.: 610 $\mu\text{g/kg}$, country: Argentina⁸⁵⁴
 see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli

powder), spices (coriander), spices (garlic), spices (ginger), wheat

ERGOT ALKALOIDS

incidence: 2/6*, conc. range: 5 $\mu\text{g/kg}$, $\emptyset$ conc.: 5 $\mu\text{g/kg}$, country: Canada⁷⁹⁶, *oat-based
 incidence: 31/55*, conc. range: ≤ 108 $\mu\text{g/kg}$,
 $\emptyset$ conc.: 32 $\mu\text{g/kg}$, country: Canada⁷⁹⁶,
 *barley-based
 incidence: 6/75*, conc. range: ≤ 47 $\mu\text{g/kg}$, $\emptyset$ conc.: 15 $\mu\text{g/kg}$, country: Canada⁷⁹⁶,
 *multi-grain
 incidence: 2/9*, conc. range: 4 $\mu\text{g/kg}$, $\emptyset$ conc.: 4 $\mu\text{g/kg}$, country: Canada⁷⁹⁶, *teething biscuits
 see also wheat

FUMONISINS (B₁, B₂)

incidence: 18/24*, conc. range: ≤ 130 $\mu\text{g/kg}$,
 $\emptyset$ conc.: 44 $\mu\text{g/kg}$, country: Canada⁷⁹⁶,
 *soy-based
 incidence: 1/25*, conc.: 10 $\mu\text{g/kg}$, country: Canada⁷⁹⁶, *rice-based
 incidence: 22/69*, conc. range: ≤ 120 $\mu\text{g/kg}$,
 $\emptyset$ conc.: 43 $\mu\text{g/kg}$, country: Canada⁷⁹⁶,
 *multi-grain
 incidence: 1/2*, conc.: 20 $\mu\text{g/kg}$, country: Canada⁷⁹⁶, *teething biscuits
 see also beer, flour (maize), maize, meal (maize), noodles, rice, spice powder, spices (chilli pickle), spices (curry), spices (curry paste), spices (curry powder), spices (tandoori)

OCHRATOXIN A

incidence: 66/97*, conc. range: ≤ 2.13 $\mu\text{g/kg}$,
 $\emptyset$ conc.: 0.118 $\mu\text{g/kg}$, country: Germany⁶⁹⁰,
 *unripe spelt
 incidence: 2/6*, conc. range: ≤ 0.4 $\mu\text{g/kg}$, $\emptyset$ conc.: 0.37 $\mu\text{g/kg}$, country: Canada⁷⁹⁶,
 *oat-based
 incidence: 10/47*, conc. range: ≤ 6.9 $\mu\text{g/kg}$, $\emptyset$ conc.: 1 $\mu\text{g/kg}$, country: Canada⁷⁹⁶,
 *barley-based
 incidence: 7/22*, conc. range: ≤ 0.9 $\mu\text{g/kg}$, $\emptyset$ conc.: 0.47 $\mu\text{g/kg}$, country: Canada⁷⁹⁶,
 *soy-based
 incidence: 1/8*, conc.: 2.4 $\mu\text{g/kg}$, country: Canada⁷⁹⁶, *rice-based

incidence: 21/72*, conc. range: ≤ 0.9 $\mu\text{g/kg}$, $\emptyset$ conc.: 0.4 $\mu\text{g/kg}$, country: Canada⁷⁹⁶,

*multi-grain

incidence: 1/5*, conc.: 0.28 $\mu\text{g/kg}$, country: Canada⁷⁹⁶, *teething biscuits

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices

(curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

ZEARALENONE

incidence: 1/13*, conc.: 4 $\mu\text{g/kg}$, country:

Germany²⁴⁴, *grain mash and rusk

incidence: 4/29*, conc. range: ≤ 22 $\mu\text{g/kg}$, $\emptyset$ conc.: 10.2 $\mu\text{g/kg}$, country: Canada⁷⁹⁶,

*barley-based

incidence: 23/30*, conc. range: ≤ 35 $\mu\text{g/kg}$, $\emptyset$ conc.: 18.4 $\mu\text{g/kg}$, country: Canada⁷⁹⁶,

*soy-based

incidence: 1/7*, conc.: 1 $\mu\text{g/kg}$, country:

Canada⁷⁹⁶, *rice-based

incidence: 30/71*, conc. range: ≤ 32 $\mu\text{g/kg}$, $\emptyset$ conc.: 10.7 $\mu\text{g/kg}$, country: Canada⁷⁹⁶,

*multi-grain

incidence: 1/7*, conc.: 8 $\mu\text{g/kg}$, country:

Canada⁷⁹⁶, *teething biscuits

incidence: 1/10, conc.: tr, country:

Argentina⁸⁵⁴

see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Foods

see Food

Foodstuff may contain the following mycotoxins:

FUMONISIN B₁

incidence: 1/5* **, conc.: 55 µg/kg, country: South Africa⁴¹³, *from Peru, USA, **maize-based, alkali treated
incidence: 6/12* **, conc. range: ≤700 µg/kg, Ø conc.: 300.7 µg/kg, country: South Africa⁴¹³, *and USA, **miscellaneous
incidence: 2/6* **, conc. range: ≤73 µg/kg, Ø conc.: 57.2 µg/kg, country: Taiwan⁴¹⁸, *maize-based, **miscellaneous
incidence: 22/34*, conc. range: 28–2679 µg/kg, country: USA⁴⁵³, *maize-based
incidence: 1*/336, conc.: 209 µg/kg, country: UK⁷³⁴, *maize-based

see also arepas, asparagus, barley, batter, beans, beer, bran (maize), bread, cake (rice), cereals, cereals (breakfast), chamomile, chips (maize), chips (tortilla), flakes (corn), flour (maize), food, food (baby), grits (maize), Incaparina, leaves, maize, maize fiber, maize muffin, maize products, maize silk, maize starch, masa, meal (maize), meal (sorghum), milk, muffin mix, nuts (peanut), pancake, popcorn, rapoko, rice, snacks, sorghum, soybeans, syrup (sorghum), tea, tortillas, wheat

FUMONISIN B₂

incidence: 3/12* **, conc. range: ≤240 µg/kg, Ø conc.: 148 µg/kg, country: South Africa⁴¹³, *and USA, **miscellaneous

incidence: 10/34*, conc. range: 30–797 µg/kg, country: USA⁴⁵³, *maize-based

see also arepas, asparagus, barley, batter, beer, bran (maize), cereals, cereals (breakfast), chips (maize), chips (tortilla), flakes (corn), flour (maize), food (baby), grits (maize), Incaparina, maize, maize fiber, maize starch, masa, meal (maize), muffin mix, pancake, popcorn, rice, snacks, tortillas, wheat

MONILIFORMIN

incidence: 24/34*, conc. range: tr–858 µg/kg, country: USA⁴⁵³, *maize-based

see also barley, corn on the cob, flakes (corn), flour (maize), grits (maize), maize, maize-based thickeners, meal (maize), oats, popcorn, rye, snacks, triticale, wheat

ZEARALENONE

incidence: 12/32*, conc. range: 3.4–120 µg/kg, Ø conc.: 40 µg/kg, country: Korea⁵⁰⁶, *barley-based

incidence: 9/47*, conc. range: 3.6–84 µg/kg, Ø conc.: 22 µg/kg, country: Korea⁵⁰⁶, *maize-based

see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Food products

see Foodstuff

Fresh cheese

see Cheese

Fresh kasar

see Cheese

Fruit products may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 1*/32**, conc.: 4600 µg/kg, country: GDR¹⁷⁸, *moldy, **includes fruits and fruit products

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

PATULIN

incidence: 2/6*, conc. range: 10 µg/kg, Ø conc.: 10 µg/kg, country: South Africa²²², *apple

see also apple cider, apple flavor, apples (stewed fruit), berries (blueberry), berries (lingnonberry), berries (mulberry), berries (raspberry), berries (strawberry), cassava, cheese, food (baby), fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (pear), fruits (plum), jam, jam (apple), juice, juice (apple), juice (apple-acerola), juice (apple, concentrate), juice (cherry), juice (currant), juice (fruit), juice (grape), juice (orange), juice (peach), juice (pear), must, pulp (plum), syrup (apple), vinegar

Fruits may contain the following mycotoxins:

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 6/157*, conc. range: 2–20 µg/kg (6 sa), country: Uruguay⁷⁸⁷, *dried

see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (fig), peas, phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

OCHRATOXIN A

incidence: 26/49*, conc. range: ≤0.09 µg/kg, country: Germany⁵⁹², *different, dried see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat,

butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

ZEARALENONE

incidence: 6/154*, conc. range: 100–200 µg/kg (3 sa), >200 µg/kg (3 sa), country: Uruguay⁷⁸⁷, *dried
see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Fruits (apple) may contain the following mycotoxins:

ALTENUENE

incidence: 5/8, conc. range: <100–500 µg/kg, country: USA³⁴⁴
see also barley, maize, olives, ragi, rice, sorghum, tomatoes, wheat

ALTERNARIOL

incidence: 7/8, conc. range.: <100–58,800 µg/kg, country: USA³⁴⁴
incidence: 1/22*, conc.: 160 µg/kg, country: Germany³⁴⁵, *moldy
see also bran, fruits (Mandarin fruit), juice (apple, concentrate), olives, spices (pepper), sunflower seeds, tomatoes, wheat

ALTERNARIOL METHYL ETHER

incidence: 8/8, conc. range: <100–2300 µg/kg, country: USA³⁴⁴
incidence: 1/22*, conc.: 250 µg/kg, country: Germany³⁴⁵, *moldy

see also barley, bran, fruits (mandarin fruit), fruits (melon), juice (apple, concentrate), olives, ragi, sorghum, spices (pepper), sunflower seeds, tomatoes, wheat

ALBERTOXIN-I

incidence: 5/8, conc. range: nc, country: USA³⁴⁴

see also sorghum, wheat

CITRININ

incidence: 83/351*, Ø conc.: 601 µg/kg, country: Portugal⁷⁰¹, *with rotten spots see also angkak (red mold rice), barley, cereals, cheese, food, food colorant, maize, maize dough, meal (copra), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), oil seed rape, olives, rice, spices, spices (cardamom), spices (coriander), spices (cumin), spices (fennel), spices (pepper), spices (turmeric), wheat

OCHRATOXIN A

incidence: 2/4*, conc. range: 0.23–0.41 µg/kg, Ø conc.: 0.32 µg/kg, country: Germany²⁸⁹, *moldy

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver

(turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpnickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

PATULIN

incidence: 3/17, conc. range: 0.2–1.6 µg/kg, country: Italy¹⁰⁵

incidence: 5/12*, conc. range: 300–42,000 µg/kg, country: GDR¹⁷⁸, *with rotten spots

incidence: 21/21*, conc. range: 2–113,343 µg/kg, Ø conc.: 12,464 µg/kg, country:

Italy⁶⁹⁴, *rotten area

incidence: 17/21*, conc. range: 0.05–1166 µg/kg, Ø conc.: 152 µg/kg, country: Italy⁶⁹⁴, *unaffected area with peel

incidence: 7/21*, conc. range: 0.44–93 µg/kg, Ø conc.: 16.3 µg/kg, country: Italy⁶⁹⁴,

*unaffected area without peel

incidence: 18/52*, conc. range: 5–50 µg/kg (18 sa, with a maximum of 32 µg/kg), country: Australia⁶⁹⁷, *and mixed fruit products

incidence: 6/6, conc. range: 150–267 µg/kg, Ø conc.: 220 µg/kg, country: Brazil⁶⁹⁸

incidence: 310/351*, Ø conc.: 18,800 µg/kg, country: Portugal⁷⁰¹, *with rotten spots
 incidence: 2/6*, conc. range: ≤1240 µg/kg, country: France⁷⁷⁶, *organic
 incidence: 70/100*, conc. range: 1–4800 µg/kg, Ø conc.: 1830 µg/kg, country: France⁸⁵³, *decayed
 incidence: 55/104*, conc. range: 1–250,000 µg/kg, country: Spain⁸⁶⁰, *different
 see also apple cider, apple flavor, apples (stewed fruit), berries (blueberry), berries (lingonberry), berries (mulberry), berries (raspberry), berries (strawberry), cassava, cheese, food (baby), fruit products, fruits (apricot), fruits (cherry), fruits (peach), fruits (pear), fruits (plum), jam, jam (apple), juice, juice (apple), juice (apple-acerola), juice (apple, concentrate), juice (cherry), juice (currant), juice (fruit), juice (grape), juice (orange), juice (peach), juice (pear), must, pulp (plum), syrup (apple), vinegar

Fruits (apricot) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 13/15, conc. range: ≤4167 µg/kg, country: Turkey⁸⁵⁸
 see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal

(peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

OCHRATOXIN A

incidence: 3/3*, conc. range: 50–110 µg/kg, country: Egypt²⁸¹, *dried
 see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, coppa, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum),

grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpnickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

PATULIN

incidence: 6/12, conc. range: 2000–13,000 µg/kg, country: Spain⁸⁶⁰

see also apple cider, apple flavor, apples (stewed fruit), berries (blueberry), berries (lingonberry), berries (mulberry), berries (raspberry), berries (strawberry), cassava, cheese, food (baby), fruit products, fruits (apple), fruits (cherry), fruits (peach), fruits (pear), fruits (plum), jam, jam (apple), juice, juice (apple), juice (apple-acerola), juice (apple, concentrate), juice (cherry), juice (currant), juice (fruit), juice (grape), juice

(orange), juice (peach), juice (pear), must, pulp (plum), syrup (apple), vinegar

Fruits (cherry) may contain the following mycotoxins:

OCHRATOXIN A

incidence: 6/6*, conc. range: tr–2.71 µg/kg, country: Germany²⁸⁹, *moldy

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpnickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice

powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

PATULIN

incidence: 9/10, conc. range: 5.6–113.3 µg / l, Ø conc.: 37 µg/kg, country: Turkey⁷¹⁹

see also apple cider, apple flavor, apples (stewed fruit), berries (blueberry), berries (lingonberry), berries (mulberry), berries (raspberry), berries (strawberry), cassava, cheese, food (baby), fruit products, fruits (apple), fruits (apricot), fruits (peach), fruits (pear), fruits (plum), jam, jam (apple), juice, juice (apple), juice (apple-acerola), juice (apple, concentrate), juice (cherry), juice (currant), juice (fruit), juice (grape), juice (orange), juice (peach), juice (pear), must, pulp (plum), syrup (apple), vinegar

Fruits (lemon) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 19/40*, Ø conc.: 195 µg/kg, country: India¹⁸¹, *pickled in salt, stored in polythene bags

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean),

Job's-tears, jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 19/40*, Ø conc.: 42 µg/kg, country: India¹⁸¹, *pickled in salt, stored in polythene bags

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and

beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 19/40*, Ø conc.: 110 µg/kg, country: India¹⁸¹, *pickled in salt, stored in polythene bags

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXIN G₂

incidence: 19/40*, Ø conc.: 25 µg/kg, country: India¹⁸¹, *pickled in salt, stored in polythene bags

see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), cocoa, figs, fish, flour (maize), flour (wheat), food, fruits (mango), Ga Kenkey, gruel, maize, maize dough, milk (human breast), nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), paste (soybean), popcorn, raisins, rice, sesame seeds, shoyu, soybeans, spices (cardamom), spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine

Fruits (mandarin fruit) may contain the following mycotoxins:

ALTERNARIOL

incidence: 2/3, conc. range: 1000–5200 µg/kg, Ø conc: 3100 µg/kg, country: Italy³⁴⁰
see also bran, fruits (apple), juice (apple, concentrate), olives, spices (pepper), sunflower seeds, tomatoes, wheat

ALTERNARIOL METHYL ETHER

incidence: 2/3, conc. range: 550–1400 µg/kg, Ø conc.: 975 µg/kg, country: Italy³⁴⁰
see also barley, bran, fruits (apple), fruits (melon), juice (apple, concentrate), olives, ragi, sorghum, spices (pepper), sunflower seeds, tomatoes, wheat

TENUAZONIC ACID

incidence: 3/3, conc. range: 21,000–173,900 µg/kg, Ø conc.: 94,033 µg/kg, country: Italy³⁴⁰
see also bran, cassava, maize, olives, pulp (tomato), ragi, rice, sorghum, spices (pepper), sunflower seeds, tomato purée, tomatoes, wheat

Fruits (mango) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 4/8*, Ø conc.: 52 µg/kg, country: India¹⁸¹, *pickled in salt, stored in bottles
 incidence: 26/40*, Ø conc.: 210 µg/kg, country: India¹⁸¹, *pickled in salt, stored in polythene bags
 see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices

(fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 4/8*, Ø conc.: 5 µg/kg, country: India¹⁸¹, *pickled in salt, stored in bottles
 incidence: 26/40*, Ø conc.: 32 µg/kg, country: India¹⁸¹, *pickled in salt, stored in polythene bags
 see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 4/8*, Ø conc.: 24 µg/kg, country: India¹⁸¹, *pickled in salt, stored in bottles
 incidence: 26/40*, Ø conc.: 184 µg/kg, country: India¹⁸¹, *pickled in salt, stored in polythene bags

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXIN G₂

incidence: 4/8*, Ø conc.: tr, country: India¹⁸¹,

*pickled in salt, stored in bottles

incidence: 26/40*, Ø conc.: 15 µg/kg,

country: India¹⁸¹, *pickled in salt, stored in polythene bags

see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), cocoa, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), Ga Kenkey, gruel, maize, maize dough, milk (human breast), nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), paste (soybean), popcorn, raisins, rice, sesame seeds, shoyu, soybeans, spices (cardamom), spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine

Fruits (melon) may contain the following mycotoxins:

ALTERNARIOL METHYL ETHER

incidence: 1/1, conc.: 51 µg/kg*, country:

Italy³⁴⁰, *calculated on dry weight sample

see also barley, bran, fruits (apple), fruits (mandarin fruit), juice (apple, concentrate), olives, ragi, sorghum, spices (pepper), sunflower seeds, tomatoes, wheat

Fruits (peach) may contain the following mycotoxins:

OCHRATOXIN A

incidence: 1/9*, conc.: 0.59 µg/kg, country:

Germany²⁸⁹, *moldy

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqueurice, liqueurice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts

(walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

PATULIN

incidence: 2/4*, conc. range: 200–400 µg/kg, Ø conc.: 300 µg/kg, country: GDR¹⁷⁸, *stewed, moldy
incidence: 1/8, conc.: 6 µg/kg (pulp), country: Sweden⁴⁸⁰

incidence: 4/4, conc. range: 92–174 µg/kg, Ø conc.: 120 µg/kg, country: Brazil⁶⁹⁸
incidence: 6/15, conc. range: tr–20,000 µg/kg, country: Spain⁸⁶⁰

see also apple cider, apple flavor, apples (stewed fruit), berries (blueberry), berries (lingnonberry), berries (mulberry), berries (raspberry), berries (strawberry), cassava, cheese, food (baby), fruit products, fruits (apple), fruits (apricot), fruits (cherry), fruits (pear), fruits (plum), jam, jam (apple), juice, juice (apple), juice (apple-acerola), juice (apple, concentrate), juice (cherry), juice (currant), juice (fruit), juice (grape), juice (orange), juice (peach), juice (pear), must, pulp (plum), syrup (apple), vinegar

Fruits (pear) may contain the following mycotoxins:

PATULIN

incidence: 4/4, conc. range: 134–245 µg/kg, Ø conc.: 196 µg/kg, country: Brazil⁶⁹⁸

incidence: 8/24, conc. range: 900–10,000 µg/kg, country: Spain⁸⁶⁰

see also apple cider, apple flavor, apples (stewed fruit), berries (blueberry), berries (lingnonberry), berries (mulberry), berries (raspberry), berries (strawberry), cassava, cheese, food (baby), fruit products, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), jam, jam (apple), juice, juice (apple), juice (apple-acerola), juice (apple, concentrate), juice (cherry), juice (currant), juice (fruit), juice (grape), juice (orange), juice (peach), juice (pear), must, pulp (plum), syrup (apple), vinegar

Fruits (plum) may contain the following mycotoxins:

OCHRATOXIN A

incidence: 3/3*, conc. range: 210–280 µg/kg, country: Egypt²⁸¹, *dried

incidence: 1/19* **, conc.: 0.1–5 µg/kg (1 sa), country: Brazil⁸⁶⁵, *from worldwide, **dried

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquorice, liquorice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize),

meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pine), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

PATULIN

incidence: 1/6, conc.: 4 µg/kg (pulp), country: Sweden⁴⁸⁰

see also apple cider, apple flavor, apples (stewed fruit), berries (blueberry), berries (lingonberry), berries (mulberry), berries (raspberry), berries (strawberry), cassava, cheese, food (baby), fruit products, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (pear), jam, jam (apple), juice, juice (apple), juice (apple-acerola), juice (apple, concentrate), juice (cherry), juice (currant), juice (fruit), juice (grape), juice (orange), juice (peach), juice (pear), must, pulp (plum), syrup (apple), vinegar

Fruits (prune) may contain the following mycotoxins:

OCHRATOXIN A

incidence: 26/31*, conc. range: ≤0.07 µg/kg, country: Germany⁵⁹², *dried

incidence: 1/14*, conc.: 0.6 µg/kg, country: UK⁸³⁴, *imported

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquourice, liquourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard),

spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Ga Kenkey may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 4*/4, conc. range: 1.1–153 µg/kg, country: Ghana²⁸⁰, *not all subsa contaminated at all collection dates
see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil

(peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 4*/4, conc. range: 0.8–43.5 µg/kg, country: Ghana²⁸⁰, *not all subsa contaminated at all collection dates
see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 4*/4, conc. range: 1–69.4 µg/kg, country: Ghana²⁸⁰, *not all subsa contaminated at all collection dates
 see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXIN G₂

incidence: 4*/4, conc. range: 1.6–5.7 µg/kg, country: Ghana²⁸⁰, *not all subsa contaminated at all collection dates
 see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), cocoa, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), gruel, maize, maize dough, milk (human breast), nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), paste (soybean), popcorn, raisins, rice, sesame seeds, shoyu, soybeans, spices (cardamom), spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine

Gabi

see Tubers

Garlic

see Spices (garlic)

Garlic / onions

see Spices (garlic/onions)

Garlic pickle

see Spices (garlic pickle)

Germ (maize) may contain the following mycotoxins:

FUMONISINS (B₁, B₂, B₃)

incidence: 12/12, conc. range: 100–2000 µg/kg, Ø conc.: 775 µg/kg, country: USA³⁷⁰
 see also bran (maize), cereals (breakfast), flour, flour (maize), grains, grits (maize), maize, maize-based thickeners, popcorn, snacks, tortillas

Germ (wheat) may contain the following mycotoxins:

DEOXYNIVALENOL

incidence: 5/5, conc. range: 31–95 µg/kg, Ø conc.: 50 µg/kg, country: Germany⁵²⁰
 see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

HT-2 Toxin

incidence: 4/5, conc. range: 5–27 µg/kg, Ø conc.: 11 µg/kg, country: Germany⁵²⁰

see also barley, bran (oat), bran (wheat), bread, cereal (baby), cereals, cereals (breakfast), flakes (oat), flour (maize), flour (wheat), food, food (baby), grits (maize), groats (oat), maize, noodles, nuts (hazelnut), oat products, oats, products, pumpkin seeds, rye, spices (chilli powder), spices (curry), sunflower seeds, wheat

NIVALENOL

incidence: 2/5, conc. range: 21–30 µg/kg, Ø conc.: 26 µg/kg, country: Germany⁵²⁰
see also barley, beer, biscuits, bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, grits (maize), grits (wheat), Job's-tears, maize, malt (barley), meal (millet), millet, noodles, oat products, oats, rice, rye, snacks, sorghum, soybeans, spices (chilli sauce), spices (curry), spices (curry paste), spices (curry powder), spices (garlic), spices (ginger), spices (tandoori), wheat

OCHRATOXIN A

incidence: 13/19, conc. range: ≤0.448 µg/kg, Ø conc.: 0.112 µg/kg, country: Germany⁶⁹⁰
see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquourice,

liquourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpnickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

ZEARALENONE

incidence: 1/5, conc.: 3 µg/kg, country: Germany⁵²⁰
see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum,

soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

German blue cheese

see Cheese (blue)

Ginger

see Spices (ginger)

Goat cheese

see Cheese

Goose may contain the following mycotoxins:

OCHRATOXIN A

incidence: 5/12, conc. range: ≤ 0.1 µg/kg, Ø conc.: 0.03 µg/kg, country: Denmark⁶²⁴
see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal),

meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Gorgonzola cheese

see Cheese (blue)

Gouda cheese

see Cheese

Grain mixtures may contain the following mycotoxins:

AFLATOXINS

incidence: 2*/16, conc. range: 1–100 µg/kg (2 sa), country: Uganda⁵, *2 sa contained AFB₁, 2 AFB₂, 2 AFG₁, 1 AFG₂
see also beans, candy (peanut), cassava, figs, flour (maize), grains, maize, maize dough, maize products, melon seeds, millet, nuts, nuts (almond), nuts (brazil), nuts (peanut), nuts (peanut butter), nuts (peanut mix), nuts (peanut products), nuts (pecan), nuts (pistachio), nuts (walnut), nuts and seeds, paste (peanut), paste (pipian), peas, rice, sauce (leaf), snacks, sorghum, spices, spices

(chilli), spices (cumin), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper), spices (tandoori), teff, tubers, wheat

Grains may contain the following mycotoxins:

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 5/18, conc. range: 2–6 µg/kg, country: Australia¹³

see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (fig), peas, phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

AFLATOXINS

incidence: 2*/11, conc. range: 100–1000 µg/kg (1 sa), >1000 µg/kg (1 sa), country: Uganda⁵, *2 sa contained AFB₁, 2 AFB₂, 2 AFG₁

see also beans, candy (peanut), candy (pistachio), cassava, figs, flour (maize), grain mixtures, maize, maize dough, maize products, melon seeds, millet, nuts, nuts (almond), nuts (brazil), nuts (peanut), nuts (peanut butter), nuts (peanut mix), nuts (peanut products), nuts (pecan), nuts (pistachio), nuts (walnut), nuts and seeds, paste (peanut), paste (pipian), peas, rice, sauce (leaf), snacks, sorghum, spices, spices (chilli), spices (cumin), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper), spices (tandoori), teff, tubers, wheat

DEOXYNIVALENOL

incidence: 2/5, conc. range: 16–17 µg/kg, Ø conc.: 17 µg/kg, country: Germany⁵²⁰

see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

FUMONISINS (B₁, B₂, B₃)

incidence: 52/58* **, conc. range: 110–8400 µg/kg, Ø conc.: 550 µg/kg, country: USA⁵⁵², *from Nepal, **maize, wheat

see also bran (maize), cereals (breakfast), flour, flour (maize), germ (maize), grits (maize), maize, maize-based thickeners, popcorn, snacks, tortillas

8-KETOTRICHOTHECENE

incidence: 10/58* **, conc. range: 1260–11,000 µg/kg, Ø conc.: 3200 µg/kg, country: USA⁵⁵², *from Nepal, **maize, wheat
see also flour

Gram may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 10/28, conc. range: 8–74 µg/kg, country: India³⁹⁸

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour,

flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

Gram flour

see Flour (gram)

Grana padano cheese

see Cheese

Grape juice

see Juice (grape)

Gravyer cheese

see Cheese

Greater cardamom

see Spices (cardamom)

Grits may contain the following mycotoxins:

OCHRATOXIN A

incidence: 20/25, conc. range: 0.1–0.19 µg/kg (2 sa), 0.2–0.49 µg/kg (2 sa), 1.5–9.99 µg/kg (1 sa), country: Germany⁶²³

incidence: 10/25, conc. range: ≤2.58 µg/kg, Ø conc.: 0.41 µg/kg, country: Germany⁶⁹⁰

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black

pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Grits (barley) may contain the following mycotoxins:

DEOXYNIVALENOL

incidence: 1/1* ** ***, conc.: 36 µg/kg, country: Germany⁵⁶², *unknown origin, **whole grain, ***c

see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

Grits (durum) may contain the following mycotoxins:

OCHRATOXIN A

incidence: 4/4, conc. range: 0.8–2.7 µg/kg, Ø conc.: 1.7 µg/kg, country: Switzerland⁵⁷⁸

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pine), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices

(tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Grits (maize) (synonym: polenta, semolina) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 15/50*, conc. range: ≤ 3 $\mu\text{g/kg}$,

country: Switzerland¹¹³, *and other maize products

incidence: 1/7, conc.: 21.3 $\mu\text{g/kg}$, country: Brazil²³⁰

incidence: 57*/288**, conc. range: 64–859 $\mu\text{g/kg}$, country: Nepal²³⁹, * >30 $\mu\text{g/kg}$, **and flour

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts

(walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 1/7, conc.: 2.4 $\mu\text{g/kg}$, country:

Brazil²³⁰

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

DEOXYNIVALENOL

incidence: 1/1*, conc.: 40 µg/kg, country: Germany⁴³², *semolina
 incidence: 12/14*, conc. range: 15–229 µg/kg, Ø conc.: 93 µg/kg, country: Germany⁵¹⁶, *semolina
 incidence: 4/6*, conc. range: 15–84 µg/kg, Ø conc.: 40 µg/kg, country: Germany⁵²⁰, *semolina
 incidence: 1/1* **, conc.: 170 µg/kg, country: Germany⁵⁶², *from Italy, **o
 incidence: 2/3* **, conc. range: 130–910 µg/kg, Ø conc.: 640 µg/kg, country: Germany⁵⁶², *unknown origin, **c
 incidence: 7/8*, conc. range: 10–100 µg/kg (2 sa), >100–250 µg/kg (4 sa), 466 µg/kg (1 sa), country: UK⁸³⁶, *polenta
 see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

3-ACETYLDEOXYNIVALENOL

incidence: 2/14*, conc. range: 15–17 µg/kg, Ø conc.: 16 µg/kg, country: Germany⁵¹⁶, *semolina
 incidence: 4/8*, conc. range: 14–46 µg/kg, country: UK⁸³⁶, *polenta
 see also barley, bread, cereals, cereals (breakfast), flakes (oat), flour (maize), flour (wheat), food, food (baby), maize, oat products, oats, rice, rye, snacks, wheat

15-ACETYLDEOXYNIVALENOL

incidence: 9/14*, conc. range: 15–45 µg/kg, Ø conc.: 24 µg/kg, country: Germany⁵¹⁶, *semolina

incidence: 1/6*, conc.: 15 µg/kg, country: Germany⁵²⁰, *semolina
 see also barley, bran (oat), bran (wheat), cereals (breakfast), flour (maize), flour (wheat), food, maize, noodles, oat products, oats, snacks, wheat

FUMONISIN B₁

incidence: 1/7, conc.: 1100 µg/kg, country: Argentina²⁰⁸
 incidence: 2/2, conc. range: 170–1230 µg/kg, Ø conc.: 700 µg/kg, country: Brazil²¹⁵
 incidence: 6/8*, conc. range: 43–4036 µg/kg, Ø conc.: 1969.2 µg/kg, country: Germany²⁷⁴, *and partly from Italy
 incidence: 10/13*, conc. range: 6–43 µg/kg, Ø conc.: 15.5 µg/kg, country: Germany²⁷⁴, *and partly from Italy, France
 incidence: 8/8*, conc. range: 420–3760 µg/kg, Ø conc.: 2526.3 µg/kg, country: Italy³⁶², *includes polenta
 incidence: 4/6, conc. range: 92–832 µg/kg, Ø conc.: 435 µg/kg, country: Argentina³⁶⁶
 incidence: 2/5*, conc. range: 7–84 µg/kg, Ø conc.: 45.5 µg/kg, country: Denmark³⁸⁵, *includes one polenta sa
 incidence: 3/8*, conc. range: 100–427 µg/kg, Ø conc.: 268 µg/kg, country: Uruguay³⁹⁹, *polenta
 incidence: 34/55, conc. range: ≤790 µg/kg, Ø conc.: 260 µg/kg, country: Switzerland⁴⁰⁰
 incidence: 3/15, conc. range: 50–90 µg/kg, Ø conc.: 60 µg/kg, country: Spain⁴⁰⁴
 incidence: 5/5, conc. range: 140–270 µg/kg, Ø conc.: 196 µg/kg, country: USA⁴¹⁰
 incidence: 20/28*, conc. range: ≤2545 µg/kg, Ø conc.: 363 µg/kg, country: South Africa⁴¹³, *and USA
 incidence: 1/2, conc.: 13.9 µg/kg, country: Germany⁴²⁰
 incidence: 10/11*, conc. range: 13.9–1230 µg/kg, Ø conc.: 364.6 µg/kg, country: Germany⁴²⁰, *semolina
 incidence: 27/27*, conc. range: 9–2200 µg/kg, country: Switzerland⁴²³, *and meal
 incidence: 4/8* **, conc. range: 16–70 µg/kg, Ø conc.: 34 µg/kg, country: Sweden⁶⁸², *imported?, **and flour, gruel

see also arepas, asparagus, barley, batter, beans, beer, bran (maize), bread, cake (rice), cereals, cereals (breakfast), chamomile, chips (maize), chips (tortilla), flakes (corn), flour (maize), food, food (baby), foodstuff, Incaparina, leaves, maize, maize fiber, maize muffin, maize products, maize silk, maize starch, masa, meal (maize), meal (sorghum), milk, muffin mix, nuts (peanut), pancake, popcorn, rapoko, rice, snacks, sorghum, soybeans, syrup (sorghum), tea, tortillas, wheat

FUMONISIN B₂

incidence: 1/7, conc.: 425 µg/kg, country: Argentina²⁰⁸

incidence: 2/2, conc. range: 50–300 µg/kg, Ø conc.: 175 µg/kg, country: Brazil²¹⁵

incidence: 3/13*, conc. range: 5.3–21 µg/kg, Ø conc.: 11.2 µg/kg, country: Germany²⁷⁴, *partly from Italy, France

incidence: 8/8, conc. range: 80–910 µg/kg, Ø conc.: 576.3 µg/kg, country: Italy³⁶²

incidence: 4/6, conc. range: 20–324 µg/kg, Ø conc.: 167.5 µg/kg, country: Argentina³⁶⁶

incidence: 1/5*, conc.: 22 µg/kg, country: Denmark³⁸⁵, *includes one polenta sa

incidence: 13/55, conc. range: ≤160 µg/kg, Ø conc.: 100 µg/kg, country: Switzerland⁴⁰⁰

incidence: 4/5, conc. range: 50–110 µg/kg, Ø conc.: 77.5 µg/kg, country: USA⁴¹⁰

incidence: 9/28*, conc. range: ≤1065 µg/kg, Ø conc.: 246.1 µg/kg, country: South

Africa⁴¹³, *and USA

incidence: 27/27*, conc. range: 3–590 µg/kg, country: Switzerland⁴²³, *and meal

incidence: 1/8* **, conc.: 11 µg/kg, country: Sweden⁶⁸², *imported?, **and flour, gruel

see also arepas, asparagus, barley, batter, beer, bran (maize), cereals, cereals (breakfast), chips (maize), chips (tortilla), flakes (corn), flour (maize), food (baby), foodstuff, Incaparina, maize, maize fiber, maize starch, masa, meal (maize), muffin mix, pancake, popcorn, rice, snacks, tortillas, wheat

FUMONISINS (B₁, B₂, B₃)

incidence: 12/12*, conc. range: ≤100 µg/kg, country: USA³⁷⁰, *flaking

incidence: 16/20*, conc. range: 16–2124 µg/kg, country: UK³⁸³, *polenta

see also bran (maize), cereals (breakfast), flour, flour (maize), germ (maize), grains, maize, maize-based thickeners, popcorn, snacks, tortillas

FUMONISINS

incidence: 3/3* **, conc. range: 3.6–2600 µg/kg, Ø conc.: 869 µg/kg, country:

Germany⁵⁶², *unknown origin, **c

see also beer, bread, cereal (infant), chips (tortilla), flakes (corn), flour (maize), maize, maize pops cereal, maize products, maize starch, maize (infant cream corn), meal (maize), muffin mix, pasta, popcorn, porridge, products, sorghum, tortillas

HT-2 TOXIN

incidence: 3/14*, conc. range: 5–26 µg/kg, Ø conc.: 12 µg/kg, country: Germany⁵¹⁶,

*semolina

incidence: 1/6*, conc.: 26 µg/kg, country: Germany⁵²⁰, *semolina

see also barley, bran (oat), bran (wheat), bread, cereal (baby), cereals, cereals (breakfast), flakes (oat), flour (maize), flour (wheat), food, food (baby), germ (wheat), groats (oat), maize, noodles, nuts (hazelnut), oat products, oats, products, pumpkin seeds, rye, spices (chilli powder), spices (curry), sunflower seeds, wheat

MONILIFORMIN

incidence: 16/20*, conc. range: ≤135 µg/kg, country: UK⁷⁴³, *polenta

see also barley, corn on the cob, flakes (corn), flour (maize), foodstuff, maize, maize-based thickeners, meal (maize), oats, popcorn, rye, snacks, triticale, wheat

NIVALENOL

incidence: 1/14*, conc.: 36 µg/kg, country: Germany⁵¹⁶, *semolina

incidence: 4/8*, conc. range: 12–46 µg/kg, country: UK⁸³⁶, *polenta

see also barley, beer, biscuits, bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food,

germ (wheat), grits (wheat), Job's-tears, maize, malt (barley), meal (millet), millet, noodles, oat products, oats, rice, rye, snacks, sorghum, soybeans, spices (chilli sauce), spices (curry), spices (curry paste), spices (curry powder), spices (garlic), spices (ginger), spices (tandoori), wheat

OCHRATOXIN A

incidence: 1/13*, conc.: 0.2 µg/kg, country:

Germany⁶⁴⁰, *maize? for children

incidence: 6/29*, conc. range: ≤1.53 µg/kg,

Ø conc.: 0.204 µg/kg, country: Germany⁶⁹⁰,

*polenta

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant

commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

T-2 TOXIN

incidence: 2/14*, conc. range: 4–8 µg/kg,

Ø conc.: 6 µg/kg, country: Germany⁵¹⁶,

*semolina

incidence: 1/6*, conc.: 6 µg/kg, country:

Germany⁵²⁰, *semolina

see also barley, beans, beer, bran (oat), bran (wheat), bread, cereals, cereals (breakfast), flakes (oat), flour, flour (maize), flour (wheat), food, maize, nuts (hazelnut), nuts (peanut), oat products, oats, rice, rye, sorghum, spices (curry), spices (ginger), spices (tandoori), sunflower seeds, wheat

ZEARALENONE

incidence: 2/14*, conc. range: 4–8 µg/kg,

Ø conc.: 6 µg/kg, country: Germany⁵¹⁶,

*semolina

incidence: 3/6*, conc. range: 2–9 µg/kg,

Ø conc.: 5 µg/kg, country: Germany⁵²⁰,

*semolina

incidence: 3/3* **, conc. range: 38–90 µg/kg,

Ø conc.: 58.3 µg/kg, country: Germany⁵⁶²,

*unknown origin, **c

incidence:

5/8, conc. range: 8–25 µg/kg (5 sa, with a maximum of 23.4 µg/kg), country: UK⁸³⁶

see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese,

crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Grits (wheat) may contain the following mycotoxins:

DEOXYNIVALENOL

incidence: 3/3, conc. range: ≤ 60 $\mu\text{g/kg}$,

country: Germany⁴³²

incidence: 1/1* **, conc.: 160 $\mu\text{g/kg}$, country: Germany³⁶², *whole grain, **o

see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

NIVALENOL

incidence: 1/3, conc.: 40 $\mu\text{g/kg}$, country:

Germany⁴³²

see also barley, beer, biscuits, bran (wheat), bread, cake, cereal (baby), cereals, cereals

(breakfast), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), meal (millet), millet, noodles, oat products, oats, rice, rye, snacks, sorghum, soybeans, spices (chilli sauce), spices (curry), spices (curry paste), spices (curry powder), spices (garlic), spices (ginger), spices (tandoori), wheat

Groats (barley) may contain the following mycotoxins:

OCHRATOXIN A

incidence: 21/31, conc. range: ≤ 0.95 $\mu\text{g/kg}$, $\emptyset$ conc.: 0.094 $\mu\text{g/kg}$, country: Germany⁶⁹⁰

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquourice, liquourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives,

pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Groats (oat) may contain the following mycotoxins:

DEOXYNIVALENOL

incidence: 2/2, conc. range: 59–88 µg/kg, Ø conc.: 74 µg/kg, country: Germany⁵²⁰
see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

HT-2 TOXIN

incidence: 2/2, conc. range: 6–9 µg/kg, Ø conc.: 8 µg/kg, country: Germany⁵²⁰
see also barley, bran (oat), bran (wheat), bread, cereal (baby), cereals, cereals

(breakfast), flakes (oat), flour (maize), flour (wheat), food, food (baby), germ (wheat), grits (maize), maize, noodles, nuts (hazelnut), oat products, oats, products, pumpkin seeds, rye, spices (chilli powder), spices (curry), sunflower seeds, wheat

Grogannut

see Nuts (grogannut)

Groundnuts

see Nuts (peanut)

Gruel may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 1/48*, conc.: 0.252 µg/kg, country: Nigeria³⁶¹, *maize-based

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter),

nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 2/48*, conc. range: 0.002–0.056 µg/kg, Ø conc.: 0.029 µg/kg, country:

Nigeria³⁶¹, *maize-based

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg),

spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 2/48*, conc. range: 4.83–19.7

µg/kg, Ø conc.: 12.3 µg/kg, country:

Nigeria³⁶¹, *maize-based

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXIN G₂

incidence: 2/48*, conc. range: 0.125–0.263

µg/kg, Ø conc.: 0.203 µg/kg, country:

Nigeria³⁶¹, *maize-based

see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), cocoa, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, maize, maize dough, milk (human breast), nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), paste (soybean), popcorn, raisins, rice, sesame seeds, shoyu, soybeans, spices (cardamom), spices (chilli), spices (coriander), spices

(cumin), spices (fennel), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine

AFLATOXIN M₁

incidence: 6/48*, conc. range: 0.007–0.738 µg/kg, Ø conc.: 0.3983 µg/kg, country: Nigeria³⁶¹, *maize-based

see also butter, cheese, cheese (blue), ice cream, kidney (poultry), koshk, lactoserum powder, maize, milk, milk packets, milk powder, milk products, milk (buffalo), milk (camel), milk (cow), milk (goat), milk (human breast), milk (raw or dried, for infant formula), milk (sheep), milk (sheep/goat), milk (UHT), milk (whey powder), yogurt

AFLATOXIN M₂

incidence: 1/48*, conc.: 0.184 µg/kg, country: Nigeria³⁶¹, *maize-based
see also milk powder, milk (cow), milk (goat), milk (human breast)

OCHRATOXIN A

incidence: 4/48*, conc. range: 0.142–6.516 µg/kg, Ø conc.: 1.913 µg/kg, country: Nigeria³⁶¹, *maize-based

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), goats (barley), gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney

(poultry), knäckebröd, lentils, linseeds, liquorice, liquorice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Gruel (oat) may contain the following mycotoxins:

OCHRATOXIN A

incidence: 3/9, conc. range: 0.1–0.3 µg/kg, country: Germany⁶⁴⁰

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes

(corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Ham may contain the following mycotoxins:

OCHRATOXIN A

incidence: 2/22*, conc. range: ≤ 0.04 – 0.06 $\mu\text{g/kg}$, $\emptyset$ conc.: 0.05 $\mu\text{g/kg}$, country: Italy³²², *muscle for

incidence: 12/30*, conc. range: ≤ 28.42 $\mu\text{g/kg}$, $\emptyset$ conc.: 4.06 $\mu\text{g/kg}$, country: Italy³²², *dry-cured

incidence: 1/12*, conc.: 0.05 $\mu\text{g/kg}$, country: Italy³²², *cooked

incidence: 35/42, conc. range: 0.2 – 2.2 $\mu\text{g/kg}$, country: Italy³⁹⁴

incidence: 25/30, conc. range: 0.2 – 2 $\mu\text{g/kg}$, $\emptyset$ conc.: 0.75 $\mu\text{g/kg}$, country: Italy⁴⁸⁵

see also barley, beans,

beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder),

spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Hard Rouse cheese

see Cheese

Hare

see Kidney (hare) as well as Liver (hare)

Hatomugi

see Job's-tears

Haverti cheese

see Cheese

Hazelnuts

see Nuts (hazelnut)

Herbs and medicinal plants may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 9/31, conc. range: 24–105 µg/kg, Ø conc.: 49 µg/kg, country: Egypt¹⁶²

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe

deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

Herbs and spices may contain the following mycotoxins:

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 5/41*, conc. range: 1–1.9 µg/kg (1 sa), 2–3.9 µg/kg (3 sa), 4–10 µg/kg (1 sa), country: UK¹²², *imported

see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (fig), peas,

phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

Hot dog may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 1/25, conc.: 5 µg/kg, country:

Egypt¹⁴

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts

(walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 1/25, conc.: 2 µg/kg, country:

Egypt¹⁴

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

Human breast milk

see Milk (human breast)

Ice cream may contain the following mycotoxins:

AFLATOXIN M₁

incidence: 1/5, conc.: 0.25 µg/l, country: France⁸¹

see also butter, cheese, cheese (blue), gruel, kidney (poultry), koshk, lactoserum powder, maize, milk, milk packets, milk powder, milk products, milk (buffalo), milk (camel), milk (cow), milk (goat), milk (human breast), milk (raw or dried, for infant formula), milk (sheep), milk (sheep/goat), milk (UHT), milk (whey powder), yogurt

Incaparina may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 8/8*, conc. range: 3–214 µg/kg, Ø conc.: 73.9 µg/kg, country: USA⁸²⁴, *and Guatemala

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, jam (bean), Job's-tears, jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk

(cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 7/8*, conc. range: 1–32 µg/kg, Ø conc.: 14.9 µg/kg, country: USA⁸²⁴, *and Guatemala

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans,

spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 1/5, conc.: 7 µg/kg, country: USA⁸²⁴

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

FUMONISIN B₁

incidence: 8/8*, conc. range: 200–1700 µg/kg, Ø conc.: 663 µg/kg, country: USA⁸²⁴, *and Guatemala

see also arepas, asparagus, barley, batter, beans, beer, bran (maize), bread, cake (rice), cereals, cereals (breakfast), chamomile, chips (maize), chips (tortilla), flakes (corn), flour (maize), food, food (baby), foodstuff, grits (maize), leaves, maize, maize fiber, maize muffin, maize products, maize silk, maize starch, masa, meal (maize), meal (sorghum),

milk, muffin mix, nuts (peanut), pancake, popcorn, rapoko, rice, snacks, sorghum, soybeans, syrup (sorghum), tea, tortillas, wheat

FUMONISIN B₂

incidence: 4/8*, conc. range: 100–600 µg/kg, Ø conc.: 250 µg/kg, country: USA⁸²⁴, *and Guatemala

see also arepas, asparagus, barley, batter, beer, bran (maize), cereals, cereals (breakfast), chips (maize), chips (tortilla), flakes (corn), flour (maize), food (baby), foodstuff, grits (maize), maize, maize fiber, maize starch, masa, meal (maize), muffin mix, pancake, popcorn, rice, snacks, tortillas, wheat

FUMONISIN B₃

incidence: 2/8*, conc. range: 100–200 µg/kg, Ø conc.: 150 µg/kg, country: USA⁸²⁴, *and Guatemala

see also barley, cereal products, cereals, flour (maize), food (baby), maize, meal (maize), pancake, popcorn, rice, snacks

Indian cassia

see Spices (Indian cassia)

Infant cereal foods

see Food (infant)

Infant food

see Food (infant) as well as milk powder

Infant formula

see Milk (raw or dried, for infant formula)

Infulamfula

see Beer

Ingwer

see Spices (ingwer)

Injera may contain the following mycotoxins:

AFLATOXIN

incidence: 1/1*, conc.: 4.5 µg/kg, country: Ethiopia⁷⁶, *dried

see also barley, beer, bran (rice), flour (maize), jars, kocho, maize, maize roti, malt (barley), malt (maize), nuts (peanut), nuts (peanut butter), nuts (pistachio), oil (peanut), paste (pepper, red), rice, spices (pepper)

Isiqatha

see Beer

Jam may contain the following mycotoxins:

OCHRATOXIN A

incidence: 7/12*, conc. range: 0.09–14.33

µg/kg, Ø conc.: 2.51 µg/kg, country:

Germany⁶⁰⁴, *different

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquourice, liquourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil

(sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

PATULIN

incidence: 1/18*, conc.: 0.13 µg/kg, country:

Italy¹⁰⁵, *and marmelade

see also apple cider, apple flavor, apples (stewed fruit), berries (blueberry), berries (lingnonberry), berries (mulberry), berries (raspberry), berries (strawberry), cassava, cheese, food (baby), fruit products, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (pear), fruits (plum), jam (apple), juice, juice (apple), juice (apple-acerola), juice (apple, concentrate), juice (cherry), juice (currant), juice (fruit), juice (grape), juice (orange), juice (peach), juice (pear), must, pulp (plum), syrup (apple), vinegar

Jam (apple) may contain the following mycotoxins:

PATULIN

incidence: 1/2*, conc.: 1,390 µg/kg, country:

Finland⁷⁰⁰, *moldy

see also apple cider, apple flavor, apples (stewed fruit), berries (blueberry), berries (lingnonberry), berries (mulberry), berries (raspberry), berries (strawberry), cassava, cheese, food (baby), fruit products, fruits (apple), fruits (apricot), fruits (cherry), fruits

(peach), fruits (pear), fruits (plum), jam, juice, juice (apple), juice (apple-acerola), juice (apple, concentrate), juice (cherry), juice (currant), juice (fruit), juice (grape), juice (orange), juice (peach), juice (pear), must, pulp (plum), syrup (apple), vinegar

Jam (bean) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 1/268, conc.: 0.1 µg/kg, country: Japan⁹⁹

incidence: 5/41*, conc. range: 0.1–0.7 µg/kg, country: Japan¹⁸⁴, *white

incidence: 1/24*, conc.: 0.8 µg/kg, country: Japan¹⁸⁴, *red

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, Job's-tears, jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts

(walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 1/24*, conc.: 0.1 µg/kg, country: Japan¹⁸⁴, *red

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

Jars may contain the following mycotoxins:

AFLATOXIN

incidence: ?/5*, conc. range: ≤ 10.2 $\mu\text{g/kg}$,
country: Ethiopia⁷⁶, *fresh

see also barley, beer, bran (rice), flour (maize), injera, kocho, maize, maize roti, malt (barley), malt (maize), nuts (peanut), nuts (peanut butter), nuts (pistachio), oil (peanut), paste (pepper, red), rice, spices (pepper)

Jembe backing flour

see Flour

Job's-tears may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 34/144, conc. range: 0.1–14.9 $\mu\text{g/kg}$, country: Japan¹⁸⁴

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), jowar, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts

(grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 34/144, conc. range: tr–1.8 $\mu\text{g/kg}$,
country: Japan¹⁸⁴

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices

(nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFATOXIN G₁

incidence: 34/144, conc. range: 0.3–0.7 µg/kg, country: Japan¹⁸⁴

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

DEOXYNIVALENOL

incidence: 2/12, conc. range: 48–496 µg/kg, Ø conc.: 272 µg/kg, country: Japan⁵³¹

see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli

powder), spices (coriander), spices (garlic), spices (ginger), wheat

NIVALENOL

incidence: 11/12, conc. range: 3–920 µg/kg, Ø conc.: 140 µg/kg, country: Japan⁵³¹

see also barley, beer, biscuits, bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, germ (wheat), grits (maize), grits (wheat), maize, malt (barley), meal (millet), millet, noodles, oat products, oats, rice, rye, snacks, sorghum, soybeans, spices (chilli sauce), spices (curry), spices (curry paste), spices (curry powder), spices (garlic), spices (ginger), spices (tandoori), wheat

ZEARALENOL

incidence: 7/7, conc. range: 10–440 µg/kg, Ø conc.: 133 µg/kg, country: Japan⁵³¹

incidence: 8/12, conc. range: 6–116 µg/kg, Ø conc.: 38.8 µg/kg, country: Japan⁵³⁵

see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Joints may contain the following mycotoxins:

OCHRATOXIN A

incidence: 14/40*, conc. range: ≤ 0.18 $\mu\text{g/kg}$, country: Germany⁵⁹⁸, *raw cured
 see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquourice, liquourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic

pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Jowar may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 6/15, conc. range: 1–50 $\mu\text{g/kg}$ (1 sa), 51–150 $\mu\text{g/kg}$ (2 sa), 151–300 $\mu\text{g/kg}$ (1 sa), 550 $\mu\text{g/kg}$ (2 sa), country: India¹⁷⁴
 see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, juice (apple), juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil

(peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

Juice may contain the following mycotoxins:

PATULIN

incidence: 7/40*, conc. range: 9.3–60 µg/l, Ø conc.: 22.8 µg/kg, country: Ivory Coast²⁷⁹,

*apple, annanas, passion fruit, ginger see also apple cider, apple flavor, apples (stewed fruit), berries (blueberry), berries (lingnonberry), berries (mulberry), berries (raspberry), berries (strawberry), cassava, cheese, food (baby), fruit products, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (pear), fruits (plum), jam, jam (apple), juice (apple), juice (apple-acerola), juice (apple, concentrate), juice (cherry), juice (currant), juice (fruit), juice (grape), juice (orange), juice (peach), juice (pear), must, pulp (plum), syrup (apple), vinegar

Juice (apple) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 5/5, conc. range: 20–30 µg/l, country: Egypt²²⁹

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour,

flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (mango), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN G₁

incidence: 5/5, conc. range: 20–30 µg/l, country: Egypt²²⁹

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits

(mango), Ga Kenkey, gruel, Incaparina, Job's-tears, maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

PATULIN

incidence: 45/72, conc. range: ≤ 115 $\mu\text{g/l}$,
 $\emptyset$ conc.: 56.5 $\mu\text{g/l}$, country: Canada²⁶
 incidence: 7/36*, conc. range: 20–300 $\mu\text{g/l}$,
 country: GDR¹⁷⁸, *trade
 incidence: 5/10*, conc. range: 60–50,000 $\mu\text{g/l}$,
 country: GDR¹⁷⁸, *moldy
 incidence: ?/482, conc. range: < 5 –376 $\mu\text{g/l}$,
 country: Turkey²¹⁸
 incidence: 2/13, conc. range: 5–10 $\mu\text{g/l}$,
 $\emptyset$ conc.: 7.5 $\mu\text{g/l}$, country: South Africa²²²
 incidence: 2/4*, conc. range: 5–45 $\mu\text{g/l}$,
 $\emptyset$ conc.: 25 $\mu\text{g/l}$, country: South Africa²²²,
 *carbonated
 incidence: 2/3*, conc. range: 5 $\mu\text{g/l}$, $\emptyset$ conc.:
 5 $\mu\text{g/l}$, country: South Africa²²², *for infants
 incidence: 27/45, conc. range: 19.1–732.8
 $\mu\text{g/l}$, $\emptyset$ conc.: 140 $\mu\text{g/l}$, country: Turkey³¹⁶
 incidence: 2/2, conc. range: 120–160 $\mu\text{g/l}$,
 $\emptyset$ conc.: 140 $\mu\text{g/l}$, country: South Africa³³¹
 incidence: 1/1, conc.: 12 $\mu\text{g/l}$, country: USA⁴⁷⁹
 incidence: 29/66*, conc. range: 2.5–27 $\mu\text{g/l}$,
 country: Sweden⁴⁸⁴, *and imported
 incidence: 23/29, conc. range: 2.9–38.8 $\mu\text{g/l}$,
 country: Belgium⁶⁷⁷
 incidence: 12/14*, conc. range: 2.5–10.6 $\mu\text{g/l}$,
 country: Belgium⁶⁷⁷, *imported

incidence: 1/33, conc.: 52 $\mu\text{g/l}$, country:
 Germany⁶⁹⁵
 incidence: 23/40, conc. range: 10 $\mu\text{g/l}$ (4 sa),
 11–50 $\mu\text{g/l}$ (8 sa), 51–100 $\mu\text{g/l}$ (4 sa), 101–200
 $\mu\text{g/l}$ (3 sa), 201–300 $\mu\text{g/l}$ (3 sa), 350 $\mu\text{g/l}$ (1
 sa), country: USA⁶⁹⁶
 incidence: 16/16, conc. range: 5–50 $\mu\text{g/l}$ (6
 sa), > 50 $\mu\text{g/l}$ (2 sa, with a maximum of 646
 $\mu\text{g/l}$), country: Australia⁶⁹⁷
 incidence: 140/241*, conc. range: 5–50 $\mu\text{g/l}$
 (69 sa), > 50 $\mu\text{g/l}$ (71 sa, with a maximum of
 1130 $\mu\text{g/l}$), country: Australia⁶⁹⁷, *and mixed
 fruit juices
 incidence: 1/30, conc.: 17 $\mu\text{g/l}$, country:
 Brazil⁶⁹⁸
 incidence: 8/20*, conc. range: 30–16,400 $\mu\text{g/l}$,
 country: Finland⁷⁰⁰, *home-made
 incidence: 445/609, conc. range: ≤ 20 $\mu\text{g/l}$
 (286 sa), ≤ 100 $\mu\text{g/l}$ (122), ≤ 400 $\mu\text{g/l}$ (37),
 country: GDR⁷⁰²
 incidence: 10/24*, conc. range: 5–10 $\mu\text{g/l}$
 (6 sa), > 10 $\mu\text{g/l}$ (4 sa, with a maximum of 56
 $\mu\text{g/l}$), country: UK⁷⁰³, *fresh, long life,
 concentrate, carbonated, organic, regular
 incidence: 82/100, conc. range: 0.5–10 $\mu\text{g/l}$
 (57 sa), > 10 –20 $\mu\text{g/l}$ (10 sa), > 20 –30 $\mu\text{g/l}$
 (5 sa), > 40 –50 $\mu\text{g/l}$ (3 sa), > 50 –60 $\mu\text{g/l}$ (4 sa),
 > 60 –70 $\mu\text{g/l}$ (1 sa), 100 $\mu\text{g/l}$ (2 sa, with a
 maximum of 170 $\mu\text{g/l}$), country: Spain⁷⁰⁴
 incidence: 10/10, conc. range: 5.7–26 $\mu\text{g/l}$,
 country: Germany⁷⁰⁵
 incidence: 2/2*, conc. range: 11.4–23.9 $\mu\text{g/l}$,
 $\emptyset$ conc.: 17.7 $\mu\text{g/l}$, country: Germany⁷⁰⁵,
 *home-made
 incidence: 1/1, conc.: 1000 $\mu\text{g/l}$, country:
 Canada⁷⁰⁶
 incidence: 6/10, conc. range: 9.8–107.2 $\mu\text{g/l}$,
 $\emptyset$ conc.: 36 $\mu\text{g/l}$, country: Taiwan⁷⁰⁷
 incidence: 140/140, conc. range: < 1 –220 $\mu\text{g/l}$,
 country: Norway⁷⁰⁸
 incidence: 8/13, conc. range: 44–309 $\mu\text{g/l}$,
 country: USA⁷⁰⁹
 incidence: 74/113, conc. range: 5–629 $\mu\text{g/l}$,
 country: Australia⁷¹⁰
 incidence: 3/20, conc. range: 106–216 $\mu\text{g/l}$,
 $\emptyset$ conc.: 152 $\mu\text{g/l}$, country: New Zealand⁷¹²
 incidence: 12/30, conc. range: 3.2–106.9 $\mu\text{g/l}$,
 $\emptyset$ conc.: 35 $\mu\text{g/l}$, country: Turkey⁷¹⁹

incidence: 4/15, conc. range: 125–439 µg/l, country: Belgium⁷²²
 incidence: 15/76, conc. range: 6.4–77.5 µg/l, country: Brazil⁷²⁶
 incidence: 21/49*, conc. range: 10–49 µg/l (14 sa), 50–99 µg/l (5 sa), 150–199 µg/l (1 sa), 434 µg/l (1 sa), country: UK⁷²⁷, *directly produced
 incidence: 1*/11**, conc.: 10 µg/l, country: UK⁷³⁰, *with blackcurrant, **and orange
 incidence: 26/76*, conc. range: 10–24 µg/l (19 sa), 50–99 µg/l (5 sa), >100 µg/l (2 sa, with a maximum of 118 µg/l), country: UK⁷³¹, *cloudy
 incidence: 38/113*, conc. range: 10–24 µg/l (29 sa), 25–49 µg/l (5 sa), 50–99 µg/l (2 sa), >100 µg/l (2 sa, with a maximum of 497 µg/l), country: UK⁷³¹, *directly produced
 incidence: 13/55*, conc. range: 10–24 µg/l (10 sa), 24–49 µg/l (2 sa), 50 µg/l (1 sa), country: UK⁷³¹, *clear
 incidence: 65/185*, conc. range: 10–24 µg/l (39 sa), 25–49 µg/l (15 sa), 50–99 µg/l (7 sa), >100 µg/l (4 sa, with a maximum of 490 µg/l), country: UK⁷³⁶, *cloudy
 incidence: 62/173*, conc. range: 10–49 µg/l (58 sa), >50 µg/l (4 sa, with a maximum of 184 µg/l), country: UK⁷⁴¹, *directly produced and one concentrate
 incidence: 110/199*, conc. range: 5–15 µg/l (55 sa), 15–50 µg/l (50 sa), >50 µg/l (5 sa, with a maximum of 171 µg/l), country: UK⁷⁴⁴, *directly produced
 incidence: 6/20*, conc. range: 1–1200 µg/l, Ø conc.: 200 µg/l, country: France⁸⁵³, *industrial
 see also apple cider, apple flavor, apples (stewed fruit), berries (blueberry), berries (lingonberry), berries (mulberry), berries (raspberry), berries (strawberry), cassava, cheese, food (baby), fruit products, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (pear), fruits (plum), jam, jam (apple), juice, juice (apple-acerola), juice (apple, concentrate), juice (cherry), juice (currant), juice (fruit), juice (grape), juice (orange), juice (peach), juice (pear), must, pulp (plum), syrup (apple), vinegar

Juice (apple-acerola) may contain the following mycotoxins:

PATULIN

incidence: 1/1, conc.: 0.7 µg/l, country: Germany⁷⁰⁵

see also apple cider, apple flavor, apples (stewed fruit), berries (blueberry), berries (lingonberry), berries (mulberry), berries (raspberry), berries (strawberry), cassava, cheese, food (baby), fruit products, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (pear), fruits (plum), jam, jam (apple), juice, juice (apple), juice (apple, concentrate), juice (cherry), juice (currant), juice (fruit), juice (grape), juice (orange), juice (peach), juice (pear), must, pulp (plum), syrup (apple), vinegar

Juice (apple, concentrate) may contain the following mycotoxins:

ALTERNARIOL

incidence: 16/32, conc. range: 1.35–5.42 µg/l, country: Spain²⁸⁶

see also bran, fruits (apple), juice (mandarin fruit), olives, spices (pepper), sunflower seeds, tomatoes, wheat

ALTERNARIOL METHYL ETHER

incidence: 16/32, conc. range: tr–1.71* µg/l, country: Spain²⁸⁶, *only in one sa

see also barley, bran, fruits (apple), fruits (mandarin fruit), fruits (melon), olives, ragi, sorghum, spices (pepper), sunflower seeds, tomatoes, wheat

PATULIN

incidence: 215/2151, conc. range: 7–50 µg/l (117 sa), >50 µg/l (98 sa, with a maximum of 376 µg/l), country: Turkey⁶⁹⁹

incidence: 13/64*, conc. range: 50–690 µg/l, country: Finland⁷⁰⁰, *imported

incidence: 2/7, conc. range: 460–1770 µg/l, Ø conc.: 1115 µg/kg, country: Finland⁷⁰⁰

incidence: 44*/44, conc. range: 5–75.4 µg/kg, country: Turkey⁷²⁵

incidence: 14/45, conc. range: 10–49 µg/l (13 sa), 118 µg/l (1 sa), country: UK⁷²⁷

incidence: 38/101, conc. range: 5–15 µg/l (35 sa), >15 µg/l (3 sa, with a maximum of 30 µg/l), country: UK⁷⁴⁴

see also apple cider, apple flavor, apples (stewed fruit), berries (blueberry), berries (lingnonberry), berries (mulberry), berries (raspberry), berries (strawberry), cassava, cheese, food (baby), fruit products, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (pear), fruits (plum), jam, jam (apple), juice, juice (apple), juice (apple-acerola), juice (cherry), juice (currant), juice (fruit), juice (grape), juice (orange), juice (peach), juice (pear), must, pulp (plum), syrup (apple), vinegar

Juice (carrot) may contain the following mycotoxins:

OCHRATOXIN A

incidence: 1/18*, conc.: 0.01 µg/l, country: Germany⁶³⁹, *and from different countries see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow),

milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Juice (cherry) may contain the following mycotoxins:

PATULIN

incidence: 1/1*, conc.: 0.2 µg/l, country: Germany⁷⁰⁵, *sour

see also apple cider, apple flavor, apples (stewed fruit), berries (blueberry), berries (lingnonberry), berries (mulberry), berries (raspberry), berries (strawberry), cassava, cheese, food (baby), fruit products, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (pear), fruits (plum), jam, jam (apple), juice, juice (apple), juice (apple-acerola), juice (apple, concentrate), juice (currant), juice (fruit), juice (grape), juice (orange), juice (peach), juice (pear), must, pulp (plum), syrup (apple), vinegar

Juice (currant) may contain the following mycotoxins:

OCHRATOXIN A

incidence: 3/19* **, conc. range: ≤0.06 µg/l, country: Germany⁶³⁹, *and from different countries, **black

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices

(tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

PATULIN

incidence: 1/1*, conc.: 0.1 µg/l, country: Germany⁷⁰⁵, *black

see also apple cider, apple flavor, apples (stewed fruit), berries (blueberry), berries (lingonberry), berries (mulberry), berries (raspberry), berries (strawberry), cassava, cheese, food (baby), fruit products, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (pear), fruits (plum), jam, jam (apple), juice, juice (apple), juice (apple-acerola), juice (apple, concentrate), juice (cherry), juice (fruit), juice (grape), juice (orange), juice (peach), juice (pear), must, pulp (plum), syrup (apple), vinegar

Juice (fruit) may contain the following mycotoxins:

OCHRATOXIN A

incidence: 1/14, conc.: 1.16 µg/l, country: Morocco²²⁸

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver

(cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

PATULIN

incidence: 2/6*, conc. range: 5 µg/l, Ø conc.: 5 µg/kg, country: South Africa²²², *mixed incidence: 4/7* **, conc. range: 5–20 µg/l, Ø conc.: 13.75 µg/kg, country: South Africa²²², *mixed, **for infants
see also apple cider, apple flavor, apples (stewed fruit), berries (blueberry), berries (lingonberry), berries (mulberry), berries (raspberry), berries (strawberry), cassava, cheese, food (baby), fruit products, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (pear), fruits (plum), jam, jam (apple), juice, juice (apple), juice (apple-acerola), juice (apple, concentrate), juice (cherry), juice (currant), juice (grape), juice (orange), juice (peach), juice (pear), must, pulp (plum), syrup (apple), vinegar

Juice (grape) may contain the following mycotoxins:

OCHRATOXIN A

incidence: 7/7*, conc. range: 0.0016–0.0647 µg/l, Ø conc.: 0.0258 µg/kg, country: Poland²⁵⁰, *and drinks
incidence: 34/48, conc. range: 0.0212–0.1 µg/l, country: Brazil²⁶⁰
incidence: 19/20* **, conc. range: 0.01–0.19 µg/l (9 sa), 0.41–1 µg/l (7 sa), 1.1–2 µg/l (2 sa), 2.05 µg/l (1 sa), country: UK⁶³⁸, *red and white, **from different countries
incidence: 21/27* **, conc. range: ≤1.3 µg/l, country: Germany⁶³⁹, *and from different countries, **white
incidence: 56/64* **, conc. range: ≤5.3 µg/l, country: Germany⁶³⁹, *and from different countries, **red
incidence: 4/25* **, conc. range: <0.008–0.071 µg/l, country: Canada⁶⁷⁶, *and from USA, **white
incidence: 5/45* **, conc. range: <0.008–0.104 µg/l, country: Canada⁶⁷⁶, *and from USA, **red
incidence: 82/11* **, conc. range: ≤0.311 µg/l, country: Switzerland⁶⁹¹, *and from different countries, **red and white
incidence: 1/6* **, conc.: 0.73 µg/l, country: Germany⁸⁵⁵, *and from different countries, **white
incidence: 12/14* **, conc. range: ≤4.7 µg/l, country: Germany⁸⁵⁵, *and from different countries, **red
see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits

(cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

PATULIN

incidence: 2/2, conc. range: 4.9–5.2 µg/l, Ø conc.: 5.1 µg/l, country: Germany⁷⁰⁵
 see also apple cider, apple flavor, apples (stewed fruit), berries (blueberry), berries (lingonberry), berries (mulberry), berries (raspberry), berries (strawberry), cassava, cheese, food (baby), fruit products, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (pear), fruits (plum), jam, jam (apple), juice, juice (apple), juice (apple-acerola), juice (apple, concentrate), juice (cherry), juice (currant), juice (fruit),

juice (orange), juice (peach), juice (pear), must, pulp (plum), syrup (apple), vinegar

Juice (mango) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 2/5, conc. range: 12 µg/l, country: Egypt²²⁹

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices

(chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

Juice (orange) may contain the following mycotoxins:

PATULIN

incidence: 1/1, conc.: 0.1 µg/l, country: Germany⁷⁰⁵

see also apple cider, apple flavor, apples (stewed fruit), berries (blueberry), berries (lingnonberry), berries (mulberry), berries (raspberry), berries (strawberry), cassava, cheese, food (baby), fruit products, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (pear), fruits (plum), jam, jam (apple), juice, juice (apple), juice (apple-acerola), juice (apple, concentrate), juice (cherry), juice (currant), juice (fruit), juice (grape), juice (peach), juice (pear), must, pulp (plum), syrup (apple), vinegar

Juice (peach) may contain the following mycotoxins:

PATULIN

incidence: 11/25, conc. range: 4.3–93.2 µg/l, Ø conc.: 42 µg/l, country: Turkey⁷¹⁹

see also apple cider, apple flavor, apples (stewed fruit), berries (blueberry), berries (lingnonberry), berries (mulberry), berries (raspberry), berries (strawberry), cassava, cheese, food (baby), fruit products, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (pear), fruits (plum), jam, jam (apple), juice, juice (apple), juice (apple-acerola), juice (apple, concentrate), juice (cherry), juice (currant), juice (fruit), juice (grape), juice (orange), juice (pear), must, pulp (plum), syrup (apple), vinegar

Juice (pear) may contain the following mycotoxins:

PATULIN

incidence: 1/4, conc.: 24 µg/l, country: Germany⁶⁹⁵

see also apple cider, apple flavor, apples (stewed fruit), berries (blueberry), berries (lingnonberry), berries (mulberry), berries (raspberry), berries (strawberry), cassava, cheese, food (baby), fruit products, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (pear), fruits (plum), jam, jam (apple), juice, juice (apple), juice (apple-acerola), juice (apple, concentrate), juice (cherry), juice (currant), juice (fruit), juice (grape), juice (orange), juice (peach), must, pulp (plum), syrup (apple), vinegar

Juice (tomato) may contain the following mycotoxins:

OCHRATOXIN A

incidence: 3/30*, conc. range: ≤0.032 µg/l, country: Germany⁶³⁹, *and from different countries

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquorice, liquorice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt),

meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Kariesh cheese

see Cheese

Kashar cheese

see Cheese

Ketchup

see Tomato ketchup

Kheri may contain the following mycotoxins:

AFATOXIN B₁

incidence: 13/18, conc. range: 52–738 µg/kg, country: India³⁹⁸

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat),

food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

Kidney (hare) may contain the following mycotoxins:

AFATOXIN B₁

incidence: 94/168*, conc. range: 0.3–3.21 µg/kg, Ø conc.: 0.658 µg/kg, country: Czechoslovakia³¹, *wild

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

Kidney (pheasant) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 79/94, conc. range: 0.3–1.67 µg/kg,

Ø conc.: 0.679 µg/kg, country:

Czechoslovakia³¹

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger),

spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprka), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

Kidney (pig) may contain the following mycotoxins:

OCHRATOXIN A

incidence: 3/300*, conc. range: 0.4–1.4 µg/kg, Ø conc.: 0.79 µg/kg, country: France²³⁴, *normal

incidence: 238/710*, conc. range: 0.17–5 µg/kg, country: France²³⁴, *normal

incidence: 6/100*, conc. range: 0.16–0.48 µg/kg, country: France²³⁴, *suspected

incidence: 52*/214,700**, conc. range: 1–<2 µg/kg (27 sa), 2–10 µg/kg (25 sa), country: Poland⁵⁶⁰, *suspected, **swine

incidence: 136/378, conc. range: 0.5–<1 µg/kg (53 sa), 1–<5 µg/kg (68 sa), 5–<10 µg/kg (10 sa), >10 µg/kg (5 sa), country: UK⁵⁷⁵

incidence: 22/104*, conc. range: 0.1–1.8 µg/kg, Ø conc.: 0.45 µg/kg, country:

Germany⁵⁷⁷, *suspected

incidence: 20/20* **, conc. range: 0.2–195.5 µg/kg, Ø conc.: 34.2 µg/kg, country:

Germany⁵⁷⁷, *from Denmark, **suspected

incidence: 11/36, conc. range: 0.1–0.2 µg/kg (10 sa), 0.3 µg/kg (1 sa), country:

Switzerland⁵⁷⁸

incidence: 4498/7639*, conc. range: >25 µg/kg (4293 sa), >150 µg/kg (205 sa),

country: Denmark⁵⁸³, *suspected

incidence: 41(82?)/52(104?), conc. range: ≤3.18 µg/kg, Ø conc.: 0.54 µg/kg, country: Romania⁵⁸⁶

incidence: 21/71*, conc. range: 1–5 µg/kg (18 sa), 5–20 µg/kg (3 sa), country:

Czechoslovakia⁵⁹⁵, *suspected

incidence: 27/61, conc. range: ≤9.33 µg/kg, country: Germany⁵⁹⁸

incidence: 27/113*, conc. range: tr–23 µg/kg, country: Poland⁶²¹, *suspected

incidence: 284(pairs)/300(pairs), conc. range: 0.02–0.06 µg/kg (54 sa), 0.06–0.09 µg/kg (27 sa), 0.09–0.5 µg/kg (140 sa), 0.5–1 µg/kg (39

sa), >1 µg/kg (24 sa, with a maximum of 15 µg/kg), Ø conc.: 0.5 µg/kg*, country:

Denmark⁶²⁶, *arithmetic mean

incidence: 21/60*, conc. range: 2–68 µg/kg,

country: Denmark⁶²⁸, *suspected

incidence: 15/104*, conc. range: 1–5 µg/kg

(12 sa), 5.1–10 µg/kg (3 sa, with a maximum of 9.3 µg/kg), country: UK⁶³⁶, *and from

different countries

incidence: 112/303*, conc. range: 0.5–<5

µg/kg (104 samples), 5–<10 µg/kg (6 sa), 11.5 µg/kg (1 sa), 12.4 µg/kg (1 sa), country:

UK⁶⁴⁶, *unsuitable for human consumption

incidence: 68/385*, conc. range: 0.2–12

µg/kg, country: Belgium⁶⁵⁸, *suspected

incidence: 32/129, conc. range: ≥2–<5 µg/kg

(25 sa), ≤5–<10 µg/kg (2 sa), ≤10–≤104

µg/kg (5 sa), country: Sweden⁶⁵⁹

incidence: 10/193*, conc. range: <0.1–5

µg/kg, country: Finland⁶⁸⁷, * and suspected

incidence: 42/150*, conc. range: 12.4–40.6

µg/kg, Ø conc.: 21.3 µg/kg, country: Egypt⁷²¹,

*probably pig

incidence: 35/85, conc. range: ≤3.1 µg/kg,

country: Poland⁷²⁴

incidence: 2/12*, conc. range: 4–112.7 µg/kg,

Ø conc.: 46.1 µg/kg, country: Belgium⁷⁵¹,

*from Denmark

see also barley, beans, beef, beer, berries

(strawberry), biscuits, bran, bran (barley),

bran (oat), bran (wheat), bread, buckwheat,

butter, cake (cocoa), cereal products, cereals,

cereals (breakfast), cheese, chicken, chicken

muscle, chocolate, chocolate and chocolate

cream, cocoa beans, cocoa mass, cocoa

powder, coffee, coffee beans (green), coppa,

copra, crème puddings, currants, dates, drink,

drink (cocoa), drink (malt), drugs, duck,

extrudates, figs, fish, flakes (cereal), flakes

(corn), flakes (oat), flakes (wheat), flour, flour

(cassava), flour (maize), flour (rye), flour

(wheat), food, food (baby), food (infant),

fruits, fruits (apple), fruits (apricot), fruits

(cherry), fruits (peach), fruits (plum), fruits

(prune), germ (wheat), goose, grits, grits

(durum), grits (maize), groats (barley), gruel,

gruel (oat), ham, jam, joints, juice (carrot),

juice (currant), juice (fruit), juice (grape),

juice (tomato), kidney (poultry), knäckebröd, lentils, linseeds, liquourice, liquourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Kidney (poultry) may contain the following mycotoxins:

AFLATOXIN M₁

incidence: 1/43, conc.: <0.1 µg/kg, country: Brazil²⁷⁵

see also butter, cheese, cheese (blue), gruel, ice cream, koshek, lactoserum powder, maize, milk, milk packets, milk powder, milk products, milk (buffalo), milk (camel), milk (cow), milk (goat), milk (human breast), milk (raw or dried, for infant formula), milk (sheep), milk (sheep/goat), milk (UHT), milk (whey powder), yogurt

OCHRATOXIN A

incidence: 5(10?)/14(28?)*, conc. range:

4.3–29.2 µg/kg, country: Denmark⁵⁹¹,

*suspected

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), knäckebröd, lentils, linseeds, liquourice, liquourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower

seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Kidney (roe deer) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 39/56, conc. range: 0.3–1.93 µg/kg,

Ø conc.: 0.795 µg/kg, country:

Czechoslovakia³¹

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, Verweis>congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi),

spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

Knäckebröd may contain the following mycotoxins:

DEOXYNIVALENOL

incidence: 1/1*, conc.: 10–30 µg/kg, country:

Germany⁴³², *wheat

see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

OCHRATOXIN A

incidence: 33/47, conc. range: 0.1–0.19 µg/kg

(5 sa), 0.2–0.49 µg/kg (11 sa), 0.5–1.49 µg/kg

(13 sa), 1.5–9.99 µg/kg (4 sa), country:

Germany⁶²³

incidence: 6/46, conc. range: 0.2–0.9 µg/kg,

country: Germany⁶⁴⁰

incidence: 62/87, conc. range: ≤0.437 µg/kg,

Ø conc.: 0.076 µg/kg, country: Germany⁶⁹⁰

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken

muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), lentils, linseeds, liquourice, liquourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Kocho may contain the following mycotoxins:

AFLATOXIN

incidence: ?/2, conc.: ≤ 2.3 µg/kg, country: Ethiopia⁷⁶

see also barley, beer, bran (rice), flour (maize), injera, jars, maize, maize roti, malt (barley), malt (maize), nuts (peanut), nuts (peanut butter), nuts (pistachio), oil (peanut), paste (pepper, red), rice, spices (pepper)

Kokonte

see Cassava

Koshk may contain the following mycotoxins:

AFLATOXIN M₁

incidence: 1/1*, conc.: 0.19 µg/kg, country: Syria⁶⁸

see also butter, cheese, cheese (blue), gruel, ice cream, kidney (poultry), lactoserum powder, maize, milk, milk packets, milk powder, milk products, milk (buffalo), milk (camel), milk (cow), milk (goat), milk (human breast), milk (raw or dried, for infant formula), milk (sheep), milk (sheep/goat), milk (UHT), milk (whey powder), yogurt

Kubeba may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 1/25, conc.: 150 µg/kg, country: Egypt¹⁴

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and

medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFATOXIN B₂

incidence: 1/25, conc.: 25 µg/kg, country: Egypt¹⁴

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, maize, maize and beans, maize dough, maize

products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

Lactoserum powder may contain the following mycotoxins:

AFATOXIN M₁

incidence: 6/22, conc. range: ≤ 0.55 µg/kg, country: France⁸¹

see also butter, cheese, cheese (blue), gruel, ice cream, kidney (poultry), koshk, maize, milk, milk packets, milk powder, milk products, milk (buffalo), milk (camel), milk (cow), milk (goat), milk (human breast), milk (raw or dried, for infant formula), milk (sheep), milk (sheep/goat), milk (UHT), milk (whey powder), yogurt

Lancashire cheese

see Cheese

Leaf-sauces

see Sauce (leaf)

Leaves may contain the following mycotoxins:

FUMONISIN B₁

incidence: 12/18*, conc. range: 350–700 µg/kg, country: Portugal³¹⁰, *of orange tree
incidence: 12/18, conc. range: 20–200 µg/kg, country: Portugal³¹⁰, *or flowers of linden tree

see also arepas, asparagus, barley, batter, beans, beer, bran (maize), bread, cake (rice), cereals, cereals (breakfast), chamomile, chips (maize), chips (tortilla), flakes (corn), flour (maize), food, food (baby), foodstuff, grits (maize), Incaparina, maize, maize fiber, maize muffin, maize products, maize silk, maize starch, masa, meal (maize), meal (sorghum), milk, muffin mix, nuts (peanut), pancake, popcorn, rapoko, rice, snacks, sorghum, soybeans, syrup (sorghum), tea, tortillas, wheat

Legume may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 6/108* **, conc. range: ≤ 3 $\mu\text{g/kg}$, country: USSR¹⁹¹, *imported, **soybean, kidney bean and pea

incidence: 2/30, conc. range: 1–3.6 $\mu\text{g/kg}$,

Ø conc.: 2.3 $\mu\text{g/kg}$, country: Colombia²⁹⁶

incidence: 1/103*, conc.: 0.84 $\mu\text{g/kg}$, country: Germany⁶⁹⁰, *peas, lentils, beans

incidence: 19/94, conc. range: 1–2672 $\mu\text{g/kg}$,

Ø conc.: 825.7 $\mu\text{g/kg}$, country: USA⁸⁷³

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk

(cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

Leguminous trees

see Legume

Leicester cheese

see Cheese

Lemon

see Fruits (lemon)

Lentils may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 1/6, conc.: 3.1 $\mu\text{g/kg}$, country:

Egypt⁶²

incidence: 1/2*, conc.: 1.8 $\mu\text{g/kg}$, country:

Syria⁶⁸, *ground

incidence: 1/4, conc.: 72.1 $\mu\text{g/kg}$, country: Egypt¹⁴⁴

incidence: 13/23, conc. range: 45–268 $\mu\text{g/kg}$, country: India³⁹⁸

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals,

cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 1/13, conc.: 14.3 µg/kg, country: Sudan³¹⁴

see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (fig), peas, phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

OCHRATOXIN A

incidence: 2/10, conc. range: 0.1–0.19 µg/kg, country: Germany⁶²³

incidence: 1/14, conc.: 0.3 µg/kg, country: Germany⁶⁴⁰

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, linseeds, liquourice, liquourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver

(turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Libritos may contain the following mycotoxins:

DEOXYNIVALENOL

incidence: 4/4, conc. range: 210–1023 µg/kg, country: Argentina⁵⁰⁵

see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli

powder), spices (coriander), spices (garlic), spices (ginger), wheat

Lima beans

see Beans

Lingonberries

see Berries (lingonberry)

Linseeds may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 15/48, conc. range: 16–875 µg/kg, country: India³⁹⁸

incidence: 46/105, conc. range: 120–810 µg/kg, country: India⁸⁷²

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts

(walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

OCHRATOXIN A

incidence: 12/34, conc. range: ≤ 1.79 $\mu\text{g/kg}$, country: Germany⁵⁹²

incidence: 1/21, conc.: 0.2 $\mu\text{g/kg}$, country: Germany⁶⁴⁰

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), goats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, liquorice, liquorice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize),

meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpnickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Liquorice may contain the following mycotoxins:

OCHRATOXIN A

incidence: 1/15* **, conc.: 0.3 $\mu\text{g/kg}$, country: Germany³¹¹, *peeled, **imported?

incidence: 6/6* **, conc. range: 0.3–12.5 $\mu\text{g/kg}$, country: Germany³¹¹, *unpeeled, **imported?

incidence: 14/15*, conc. range: 0.46–46.2 $\mu\text{g/kg}$, country: Germany³¹¹, *commodities

incidence: 10/11*, conc. range: 0.68–2.59 $\mu\text{g/kg}$, country: Germany³¹¹, *pastile

incidence: 18/19* **, conc. range: 0.4–3 $\mu\text{g/kg}$, Ø conc.: 1.3 $\mu\text{g/kg}$, country:

Germany⁵⁸², *sweet, **from drugstores, grocer's shops, health food shops, retail shops see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat,

butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquorice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Liquorice root may contain the following mycotoxins:

OCHRATOXIN A

incidence: 9/19*, conc. range: 0.3–216.5

µg/kg, Ø conc.: 29.8 µg/kg, country:

Germany⁵⁸², *from drugstores, health food shops, herb shop, pharmacies

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquorice, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli),

spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Liver (cow) may contain the following mycotoxins:

OCHRATOXIN A

incidence: 1/50, conc.: 14.4 µg/kg, country: Egypt⁷²¹

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut),

nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpnickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Liver (duck) may contain the following mycotoxins:

OCHRATOXIN A

incidence: 4/7, conc. range: ≤0.16 µg/kg, Ø conc.: 0.06 µg/kg, country: Denmark⁶²⁴

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney

(poultry), knäckebröd, lentils, linseeds, liquourice, liquourice root, liver (cow), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Liver (goose) may contain the following mycotoxins:

OCHRATOXIN A

incidence: 4/12, conc. range: $\leq 0.06 \mu\text{g/kg}$,
 $\emptyset$ conc.: $0.02 \mu\text{g/kg}$, country: Denmark⁶²⁴
 see also barley, beans,
 beef, beer, berries (strawberry), biscuits,
 bran, bran (barley), bran (oat), bran (wheat),
 bread, buckwheat, butter, cake (cocoa),
 cereal products, cereals, cereals (breakfast),
 cheese, chicken, chicken muscle, chocolate,
 chocolate and chocolate cream, cocoa beans,
 cocoa mass, cocoa powder, coffee, coffee
 beans (green), coppa, copra, crème puddings,
 currants, dates, drink, drink (cocoa),
 drink (malt), drugs, duck, extrudates, figs,

fish, flakes (cereal), flakes (corn), flakes (oat),
 flakes (wheat), flour, flour (cassava), flour
 (maize), flour (rye), flour (wheat), food, food
 (baby), food (infant), fruits, fruits (apple),
 fruits (apricot), fruits (cherry), fruits (peach),
 fruits (plum), fruits (prune), germ (wheat),
 goose, grits, grits (durum), grits (maize),
 groats (barley), gruel, gruel (oat), ham,
 jam, joints, juice (carrot), juice (currant),
 juice (fruit), juice (grape), juice (tomato),
 kidney (pig), kidney (poultry), knäckebröd,
 lentils, linseeds, liquourice, liquourice root,
 liver (cow), liver (duck), liver (pig), liver
 (turkey), maize, maize dough, malt, malt
 (barley), meal (buckwheat), meal (cereal),
 meal (maize), meal (rye), meal (spelt),
 meal (wheat), meat and fish, milk (cow),
 milk (human breast), millet, muesli, must,
 noodles, nut slice, nuts, nuts (almond), nuts
 (cashew), nuts (coconut), nuts (hazelnut),
 nuts (peanut), nuts (peanut butter), nuts
 (pistachio), nuts (walnut), oats, oil (olive),
 oil (sesame), olives, pasta, pastries, peas,
 pig blood, pig muscle, pig serum, pig (black
 pudding), plant commodities, popcorn, pork,
 pork pate, potatoes, products, pulp (grape),
 pulses, pumpernickel, ragi, raisins, rice, rolls,
 rusk, rye, sandwich, sauce, sausages, sesame
 seeds, snacks, sorghum, soybeans, spelt, spice
 powder, spices (cardamom), spices (chilli),
 spices (chilli pickle), spices (chilli powder),
 spices (chilli sauce), spices (coriander), spices
 (curry), spices (curry paste), spices (curry
 powder), spices (fennel), spices (garlic pickle),
 spices (ginger), spices (mustard), spices
 (nutmeg), spices (paprika), spices (pepper),
 spices (pepper, cayenne), spices (tandoori),
 spices (turmeric), sultanas, sunflower
 seeds, tea, tomato ketchup, tomatoes,
 turkey, vegetables, vinegar, wheat, wine

Liver (hare) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 89/168*, conc. range: 0.3–1.421
 $\mu\text{g/kg}$, $\emptyset$ conc.: $0.407 \mu\text{g/kg}$, country:
 Czechoslovakia³¹, *wild

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (pheasant), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

Liver (pheasant) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 56/94, conc. range: 0.3–0.985

µg/kg, Ø conc.: 0.329 µg/kg, country:

Czechoslovakia³¹

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pig), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger),

spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

Liver (pig) may contain the following mycotoxins:

AFATOXIN B₁

incidence: 1/43, conc.: 27 µg/kg, country: Brazil²⁷⁵

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (roe deer), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages,

sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

OCHRATOXIN A

incidence: 39/52, conc. range: ≤ 0.61 µg/kg, Ø conc.: 0.16 µg/kg, country: Romania⁵⁸⁶

incidence: 10/59, conc. range: ≤ 2.72 µg/kg, country: Germany⁵⁹⁸

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut),

nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Liver (roe deer) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 38/56, conc. range: 0.3–2.17 µg/kg,

Ø conc.: 0.696 µg/kg, country:

Czechoslovakia³¹

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, Verweis>congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), maize, maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal

(cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

Liver (turkey) may contain the following mycotoxins:

OCHRATOXIN A

incidence: 3/17, conc. range: ≤0.28 µg/kg,

Ø conc.: 0.04 µg/kg, country: Denmark⁶²⁴

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour

(rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Luncheon

see Meat (luncheon)

Macaroni

see Noodles

Maize may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 980/2074, conc. range: >5–666 µg/kg, country: India¹⁶

incidence: 3/38, conc. range: 48–62 µg/kg, country: Tunisia²⁰

incidence: 3/3*, conc. range: 30–1477 µg/kg, country: Canada³⁸, *ncac

incidence: 147?/630, conc. range: 1–10 µg/kg (22 sa), >10–20 µg/kg (19 sa), >20–50 µg/kg (53 sa), >50–100 µg/kg (42 sa), >100–500 µg/kg (8 sa), >500–2000 µg/kg (3 sa), >2000 µg/kg (1 sa), country: Cuba⁴⁷

incidence: 36/41, conc. range: 5.3–465.31 µg/kg, Ø conc.: 84.2 µg/kg, country: Mexico⁴⁸

incidence: 1/6, conc.: 2.6 µg/kg, country: Egypt⁶²

incidence: 1*/3, conc.: 25 µg/kg, country: Germany⁶⁷, *moldy

incidence: 187/238*, conc. range: 1–>1000 µg/kg, country: USA⁶⁹, *ncac

incidence: 3/3*, conc. range: 9.25–41.5 µg/kg, Ø conc.: 22.9 µg/kg, country: UK⁷⁰, *ncac

incidence: 2/170, conc. range: 1 µg/kg, country: Cyprus⁷⁴

incidence: 3/3, conc. range: 8.8–37.5 µg/kg, Ø conc.: 21.8 µg/kg, country: Nepal⁹²

incidence: 6/6, conc. range: tr–15,600 µg/kg, country: India⁹⁷

incidence: 1/1*, conc.: 13.8 µg/kg, country: USA¹⁰⁰, *ncac

incidence: 37/214*, conc. range: <5 µg/kg (7 sa), 6–10 µg/kg (15 sa), 11–20 µg/kg (11 sa), 21–40 µg/kg (3 sa), 56 µg/kg (1 sa), country: USA¹¹¹, *ncac

incidence: 152/297*, conc. range: ≤9 µg/kg (21 sa), 10–19 µg/kg (37 sa), 20–39 µg/kg (38 sa), 40–79 µg/kg (27 sa), 80–159 µg/kg (18 sa), 160–319 µg/kg (7 sa), 320–639 µg/kg (3 sa), >640 µg/kg (1 sa), country: USA¹¹², *ncac

incidence: 37/40*, conc. range: 0.1–203 µg/kg, Ø conc.: 36.8 µg/kg, country: USA¹²⁴, *ncac

incidence: 3/30*, conc. range: 22–50 µg/kg, Ø conc.: 34 µg/kg, country: Argentina¹³², *ncac

incidence: 2/16*, conc. range: 378.8–612.1 µg/kg, Ø conc.: 495.5 µg/kg, country: Egypt¹⁴⁴, *yellow

incidence: 4/49*, conc. range: 1429.1–10,450 µg/kg, Ø conc.: 5647.4 µg/kg, country: Egypt¹⁴⁴, *white

incidence: 10/10*, conc. range: 7–422 µg/kg, Ø conc.: 156.9 µg/kg, country: USA¹⁴⁷, *ncac
 incidence: 8/8* **, conc. range: 210–3200 µg/kg, Ø conc.: 891.25 µg/kg, country: USA¹⁶⁵, *ground, **ncac
 incidence: 21/60, conc. range: 4–308 µg/kg, Ø conc.: 58.57 µg/kg, country: USA¹⁶⁶
 incidence: 6/15, conc. range: 1–50 µg/kg (3 sa), 51–150 µg/kg (2 sa), 680 µg/kg (1 sa), country: India¹⁷⁴
 incidence: 2/161, conc. range: 0.1 µg/kg, country: Japan¹⁸⁴
 incidence: 16/567*, conc. range: 20–350 µg/kg, country: Taiwan¹⁸⁹, *from USA
 incidence: 158/162*, conc. range: 500–1200 µg/kg, country: Taiwan¹⁸⁹, *from Thailand
 incidence: 39/214*, conc. range: ≤155 µg/kg, country: USSR¹⁹¹, *imported
 incidence: 6/100, conc. range: ≤600 µg/kg, country: USSR¹⁹¹
 incidence: 30/35*, conc. range: 0.11–4030 µg/kg, country: India¹⁹², *ncac
 incidence: 19/19*, conc. range: 5–126 µg/kg, country: India¹⁹², *ncac, rain-affected
 incidence: 3/3*, conc. range: 11.5–72.5 µg/kg, Ø conc.: 34.2 µg/kg, country: USA²⁰¹, *ncac
 incidence: 1*/1** ***, conc.: 68.5 µg/kg, country: USA²⁰¹, *from the WHO, **yellow, ***ncac
 incidence: 82/214*, conc. range: 0.2–129 µg/kg, Ø conc.: 9.4 µg/kg, country: Brazil²⁰⁵, *ncac
 incidence: 8/15*, conc. range: 2–338 µg/kg, Ø conc.: 102.3 µg/kg, country: Denmark²⁰⁶, *from Ghana
 incidence: 8/36*, conc. range: 12–878 µg/kg, Ø conc.: 166.5 µg/kg, country: Brazil²³⁷, *for food and feed
 incidence: 14/109*, conc. range: 2–103.3 µg/kg, Ø conc.: 17.3 µg/kg, country: Colombia²⁹⁶, *and products
 incidence: 17/20, conc. range: 9–2496 µg/kg, Ø conc.: 460 µg/kg, country: China³⁰⁷
 incidence: 1/20, conc.: 44 µg/kg, country: China³⁰⁷
 incidence: 4/36*, conc. range: 6–27 µg/kg, Ø conc.: 12.8 µg/kg, country: Brazil³²³, *ncac
 incidence: 20/36*, conc. range: 25–289 µg/kg, Ø conc.: 152 µg/kg, country: Brazil³²³, *ncac

incidence: 33/38*, conc. range: 18–1600 µg/kg, Ø conc.: 451.6 µg/kg, country: Brazil³²³, *ncac
 incidence: 42/60, conc. range: 1–19 µg/kg (2 sa), 20–80 µg/kg (3 sa), 81–120 µg/kg (12 sa), 121–250 µg/kg (8 sa), 251–500 µg/kg (8 sa), 501–1000 µg/kg (7 sa), >1000 µg/kg (2 sa), country: India³⁸⁸
 incidence: 76/76, conc. range: 66–2163 µg/kg, country: India³⁹⁸
 incidence: 11/16, conc. range: 4–428 µg/kg, Ø conc.: 102 µg/kg, country: Indonesia⁴²⁶
 incidence: 107/246, conc. range: tr–12 µg/kg, country: China⁴⁷⁵
 incidence: 15/99* ** ***, conc. range: 0.1–1.5 µg/kg, country: Switzerland⁵⁰², *imported, **and products, ***ncac
 incidence: 10/10, conc. range: <1.5–20 µg/kg, country: Côte d'Ivoire⁵⁵⁷
 incidence: 12/12*, conc. range: 50–930 µg/kg, country: India⁷²⁰, *ah
 incidence: ?/6*, conc. range: 20–110 µg/kg, country: India⁷²⁰, *nah
 incidence: 51/139* **, conc. range: 0.1–1 µg/kg (36 sa), 1.1–2 µg/kg (5 sa), >2 µg/kg (10 sa, with a maximum of 16.4 µg/kg), country: UK⁷⁴⁵, *from different countries, **ncac
 incidence: 1*/?, conc.: tr, country: Kenya⁷⁴⁶, *sun dried, green
 incidence: 1*/?, conc.: 40 µg/kg, country: Kenya⁷⁴⁶, *crumbled (Njenga)
 incidence: 19/103*, conc. range: 3–130 µg/kg, Ø conc.: 22 µg/kg, country: Nigeria⁷⁵⁹, *ncac
 incidence: 5/150*, conc. range: 10–50 µg/kg, Ø conc.: 24 µg/kg, country: Argentina⁷⁶², *ncac
 incidence: 97/292, conc. range: 2–89 µg/kg, country: Brazil⁷⁶⁹
 incidence: 6/37, conc. range: 5–50 µg/kg, country: Venezuela⁷⁷⁷
 incidence: 17/150*, conc. range: 38–460 µg/kg, country: Brazil⁷⁸¹, *ncac
 incidence: 27/167* **, conc. range: 2–73.9 µg/kg, country: Turkey⁷⁸³, *and imported, **ncac
 incidence: 45/102, conc. range: 20–7400 µg/kg, country: India⁷⁸⁸

incidence: 13/30, conc. range: 30–750 µg/kg, country: India⁷⁸⁹
 incidence: 445/2271*, conc. range: ≤560 µg/kg, country: Argentina⁷⁹⁰, *ncac
 incidence: 2/23*, conc. range: 6.7–131.8 µg/kg, Ø conc.: 69.3 µg/kg, country: UK⁷⁹¹, *from Honduras
 incidence: 44/328*, conc. range: 5–900 µg/kg, Ø conc.: 64.6 µg/kg, country: Brazil⁸⁰¹, *ncac
 incidence: 6/283*, conc. range: 12–25 µg/kg, country: USA⁸¹¹, *ncac
 incidence: 8/293*, conc. range: <6–25 µg/kg, country: USA⁸¹², *ncac
 incidence: 101/246*, conc. range: 1–19 µg/kg (6 sa), 20–80 µg/kg (10 sa), 81–120 µg/kg (23 sa), 121–250 µg/kg (19 sa), 251–500 µg/kg (20 sa), 501–1000 µg/kg (17 sa), >1000 µg/kg (6 sa), country: India⁸¹⁵, *from field crops
 incidence: 30/70*, conc. range: 20–80 µg/kg (5 sa), 81–250 µg/kg (9 sa), 251–500 µg/kg (6 sa), 501–1000 µg/kg (7 sa), >1000 µg/kg (3 sa), country: India⁸¹⁵, *from storage
 incidence: 39/45*, conc. range: 1–2230 µg/kg, Ø conc.: 248 µg/kg, country: USA⁸²⁶, *ncac
 incidence: 44/50* ** ***, conc. range: 1–430 µg/kg, Ø conc.: 49 µg/kg, country: Japan⁸³², *from Philippines, **for seeds, food and feed, ***and ground
 incidence: 17/27* ** ***, conc. range: 1–606 µg/kg, Ø conc.: 63 µg/kg, country: Japan⁸³², *from Thailand, **for seeds, food and feed, ***and ground
 incidence: 10/12* ** ***, conc. range: 1–3300 µg/kg, Ø conc.: 352 µg/kg, country: Japan⁸³², *from Indonesia, **for seeds, food and feed, ***and ground
 incidence: 1/292* **, conc.: 0.24 µg/kg, country: UK⁸³⁸, *and from different countries, **includes sweetcorn, corn on the cob, baby food, corn oil, corn flour, polenta, maize meal, maize pasta, maize based snacks and tortillas
 see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix

seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize and beans, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 3/3*, conc. range: 3.2–70 µg/kg, country: Canada³⁸, *ncac
 incidence: 1/6, conc.: 3.7 µg/kg, country: Egypt⁶²

incidence: 3/3*, conc. range: 1.05–40 µg/kg, Ø conc.: 14.3 µg/kg, country: UK⁷⁰, *ncac
 incidence: 3/3, conc. range: 2.3–5 µg/kg, Ø conc.: 4.1 µg/kg, country: Nepal⁹²
 incidence: 4/181, conc. range: 0.1–0.4 µg/kg, Ø conc.: 0.2 µg/kg, country: Japan⁹⁹
 incidence: 2/30*, conc. range: tr–3 µg/kg, country: Argentina¹³², *ncac
 incidence: 1/16*, conc.: 547 µg/kg, country: Egypt¹⁴⁴, *yellow
 incidence: 4/49*, conc. range: 577–5481 µg/kg, Ø conc.: 3660 µg/kg, country: Egypt¹⁴⁴, *white
 incidence: 8/8* **, conc. range: 15–290 µg/kg, Ø conc.: 100.25 µg/kg, country: USA¹⁶⁵, *ground, **ncac
 incidence: 15/60, conc. range: tr–40 µg/kg, country: USA¹⁶⁶
 incidence: 4/567*, conc. range: 52–129 µg/kg, country: Taiwan¹⁸⁹, *from USA
 incidence: 135/162*, conc. range: 49–260 µg/kg, country: Taiwan¹⁸⁹, *from Thailand
 incidence: 43/214*, conc. range: 0.1–32 µg/kg, Ø conc.: 2.1 µg/kg, country: Brazil²⁰⁵, *ncac
 incidence: 7/15*, conc. range: 1–54 µg/kg, Ø conc.: 12.3 µg/kg, country: Denmark²⁰⁶, *from Ghana
 incidence: 3/36*, conc. range: 7–180 µg/kg, Ø conc.: 78.3 µg/kg, country: Brazil²³⁷, *for food and feed
 incidence: 13/20, conc. range: 11–320 µg/kg, Ø conc.: 82 µg/kg, country: China³⁰⁷
 incidence: 1/20, conc.: 11 µg/kg, country: China³⁰⁷
 incidence: 3/36*, conc. range: 1.9–6 µg/kg, Ø conc.: 3.3 µg/kg, country: Brazil³²³, *ncac
 incidence: 20/36*, conc. range: 7–55 µg/kg, Ø conc.: 22.1 µg/kg, country: Brazil³²³, *ncac
 incidence: 32/38*, conc. range: 6–192 µg/kg, Ø conc.: 38.9 µg/kg, country: Brazil³²³, *ncac
 incidence: 26/60, conc. range: 81–120 µg/kg (8 sa), 121–250 µg/kg (4 sa), 251–500 µg/kg (6 sa), 501–1000 µg/kg (6 sa), >1000 µg/kg (2 sa), country: India³⁸⁸
 incidence: 9/16, conc. range: 1–160 µg/kg, Ø conc.: 20 µg/kg, country: Indonesia⁴²⁶
 incidence: 1*/?, conc.: tr, country: Kenya⁷⁴⁶, *sun dried, green
 incidence: 1*/?, conc.: 10 µg/kg, country: Kenya⁷⁴⁶, *crumbled (Njenga)
 incidence: 8/103*, conc. range: 4–26 µg/kg, Ø conc.: 10 µg/kg, country: Nigeria⁷⁵⁹, *ncac
 incidence: 33/292, conc. range: 1–17 µg/kg, country: Brazil⁷⁶⁹
 incidence: 8/167* **, conc. range: 1.5–6 µg/kg, country: Turkey⁷⁸³, *and imported, **ncac
 incidence: 6/30, conc. range: 15–275 µg/kg, country: India⁷⁸⁹
 incidence: 92/2271*, conc. range: ≤130 µg/kg, country: Argentina⁷⁹⁰, *ncac
 incidence: 4/293*, conc. range: <3–5 µg/kg, country: USA⁸¹², *ncac
 incidence: 49/246*, conc. range: 81–120 µg/kg (3 sa), 121–250 µg/kg (15 sa), 251–500 µg/kg (13 sa), 501–1000 µg/kg (13 sa), >1000 µg/kg (5 sa), country: India⁸¹⁵, *from field crops
 incidence: 18/70*, conc. range: 20–80 µg/kg (1 sa), 81–250 µg/kg (3 sa), 251–500 µg/kg (5 sa), 501–1000 µg/kg (6 sa), >1000 µg/kg (3 sa), country: India⁸¹⁵, *from storage
 incidence: 34/45*, conc. range: tr–51 µg/kg, country: USA⁸²⁶, *ncac
 incidence: 34/50* ** ***, conc. range: 1–78 µg/kg, Ø conc.: 14 µg/kg, country: Japan⁸³², *from Philippines, **for seeds, food and feed, ***and ground
 incidence: 11/27* ** ***, conc. range: 1–73 µg/kg, Ø conc.: 14 µg/kg, country: Japan⁸³², *from Thailand, **for seeds, food and feed, ***and ground
 incidence: 8/12* ** ***, conc. range: 1–680 µg/kg, Ø conc.: 90 µg/kg, country: Japan⁸³², *from Indonesia, **for seeds, food and feed, ***and ground
 incidence: 1/292* **, conc.: 0.03 µg/kg, country: UK⁸³⁸, *and from different countries, **includes sweetcorn, corn on the cob, baby food, corn oil, corn flour, polenta, maize meal, maize pasta, maize based snacks and tortillas
 see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food

(infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kueba, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFATOXIN G₁

incidence: 3/38, conc. range: 8–22 µg/kg, country: Tunisia²⁰
 incidence: 1/3*, conc.: 74 µg/kg, country: Canada³⁸, *ncac
 incidence: 20/41, conc. range: 1.6–57.1 µg/kg, Ø conc.: 9.7 µg/kg, country: Mexico⁴⁸
 incidence: 32/238*, conc. range: 1–1173 µg/kg, country: USA⁶⁹, *ncac
 incidence: 2/3*, conc. range: 0.5–96.5 µg/kg, Ø conc.: 48.5 µg/kg, country: UK⁷⁰, *ncac
 incidence: 1/3, conc.: 57.6 µg/kg, country: Nepal⁹²
 incidence: 2/16*, conc. range: 434.1–530 µg/kg, Ø conc.: 482.1 µg/kg, country: Egypt¹⁴⁴, *yellow
 incidence: 1/49*, conc.: 9020 µg/kg, country: Egypt¹⁴⁴, *white
 incidence: 5/60, conc. range: tr–10 µg/kg, country: USA¹⁶⁶
 incidence: 17/162*, conc. range: 50–250 µg/kg, country: Taiwan¹⁸⁹, *from Thailand
 incidence: 11/214*, conc. range: 0.2–12 µg/kg, Ø conc.: 1.9 µg/kg, country: Brazil²⁰⁵, *ncac

incidence: 2/15*, conc. range: 48–434 µg/kg, Ø conc.: 265 µg/kg, country: Denmark²⁰⁶, *from Ghana
 incidence: 2/36*, conc. range: 28 µg/kg, Ø conc.: 28 µg/kg, country: Brazil²³⁷, *for food and feed
 incidence: 9/20, conc. range: 12–21 µg/kg, Ø conc.: 15 µg/kg, country: China³⁰⁷
 incidence: 2/36*, conc. range: 39–254 µg/kg, Ø conc.: 146.5 µg/kg, country: Brazil³²³, *ncac
 incidence: 9/36*, conc. range: 25–112 µg/kg, Ø conc.: 53.8 µg/kg, country: Brazil³²³, *ncac
 incidence: 7/60, conc. range: 81–120 µg/kg (1 sa), 121–250 µg/kg (1 sa), 251–500 µg/kg (2 sa), 501–1000 µg/kg (2 sa), >1000 µg/kg (1 sa), country: India³⁸⁸
 incidence: 5/16, conc. range: tr–8 µg/kg, country: Indonesia⁴²⁶
 incidence: 2*/?, conc. range: tr, country: Kenya⁷⁴⁶, *sun dried, green
 incidence: 1*/?, conc.: 5 µg/kg, country: Kenya⁷⁴⁶, *crumbled (Njenga)
 incidence: 3/103*, conc. range: 5–11 µg/kg, Ø conc.: 8 µg/kg, country: Nigeria⁷⁵⁹, *ncac
 incidence: 2/150*, conc. range: 10–25 µg/kg, Ø conc.: 17.5 µg/kg, country: Argentina⁷⁶², *ncac
 incidence: 13/292, conc. range: 2–85 µg/kg, country: Brazil⁷⁶⁹
 incidence: 3/167* **, conc. range: 2–5.4 µg/kg, country: Turkey⁷⁸³, *and imported, **ncac
 incidence: 1/283*, conc.: 12 µg/kg, country: USA⁸¹¹, *ncac
 incidence: 1/293*, conc.: 25 µg/kg, country: USA⁸¹², *ncac
 incidence: 15/246*, conc. range: 121–250 µg/kg (3 sa), 251–500 µg/kg (4 sa), 501–1000 µg/kg (5 sa), >1000 µg/kg (3 sa), country: India⁸¹⁵, *from field crops
 incidence: 6/70*, conc. range: 81–250 µg/kg (1 sa), 251–500 µg/kg (2 sa), 501–1000 µg/kg (2 sa), >1000 µg/kg (1 sa), country: India⁸¹⁵, *from storage
 incidence: 5/45*, conc. range: 1–36 µg/kg, Ø conc.: 13.4 µg/kg, country: USA⁸²⁶, *ncac
 incidence: 2/50* ** ***, conc. range: 40–78 µg/kg, Ø conc.: 59 µg/kg, country: Japan⁸³²,

*from Philippines, **for seeds, food and feed, ***and ground

incidence: 3/27* ** ***, conc. range: 2–7 µg/kg, Ø conc.: 5 µg/kg, country: Japan⁸³²,

*from Thailand, **for seeds, food and feed, ***and ground

incidence: 1/292* **, conc.: 0.01 µg/kg,

country: UK⁸³⁸, *and from different

countries, **includes sweetcorn, corn on the cob, baby food, corn oil, corn flour, polenta, maize meal, maize pasta, maize based snacks and tortillas

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXIN G₂

incidence: 1/3*, conc.: 38.5 µg/kg, country: UK⁷⁰, *ncac

incidence: 1/3, conc.: 9.7 µg/kg, country: Nepal⁹²

incidence: 2/60, conc. range: tr–1 µg/kg, country: USA¹⁶⁶

incidence: 2/162*, conc. range: 49–110 µg/kg, country: Taiwan¹⁸⁹, *from Thailand

incidence: 2/214*, conc. range: 0.4–4 µg/kg, Ø conc.: 2.2 µg/kg, country: Brazil²⁰⁵, *ncac

incidence: 2/15*, conc. range: 4–17 µg/kg, Ø conc.: 10.5 µg/kg, country: Denmark²⁰⁶,

*from Ghana

incidence: 2/36*, conc. range: 6–11 µg/kg, Ø conc.: 8.5 µg/kg, country: Brazil²³⁷, *for food and feed

incidence: 2/36*, conc. range: 26–58 µg/kg, Ø conc.: 42 µg/kg, country: Brazil³²³, *ncac

incidence: 5/36*, conc. range: 7–26 µg/kg, Ø conc.: 14.8 µg/kg, country: Brazil³²³, *ncac

incidence: 2*/?, conc. range: tr, country:

Kenya⁷⁴⁶, *sun dried, green

incidence: 1*/?, conc.: 5 µg/kg, country:

Kenya⁷⁴⁶, *crumbled (Njenga)

incidence: 1/103*, conc.: 7 µg/kg, country:

Nigeria⁷⁵⁹, *ncac

incidence: 7/292, conc. range: 1–6 µg/kg, country: Brazil⁷⁶⁹

incidence: 2/167* **, conc. range: 2–3 µg/kg, country: Turkey⁷⁸³, *and imported, **ncac

incidence: 1/293*, conc.: 6 µg/kg, country: USA⁸¹², *ncac

incidence: 2/45*, conc. range: tr–5 µg/kg,

country: USA⁸²⁶, *ncac

incidence: 2/50* ** ***, conc. range: 13–33 µg/kg, Ø conc.: 23 µg/kg, country: Japan⁸³²,

*from Philippines, **for seeds, food and feed, ***and ground

see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), cocoa, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, maize dough, milk (human breast), nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), paste (soybean), popcorn, raisins, rice, sesame seeds, shoyu, soybeans, spices (cardamom), spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine

AFLATOXIN M₁

incidence: 8/8* **, conc. range: 1–35 µg/kg, Ø conc.: 6.75 µg/kg, country: USA¹⁶⁵,

*ground, **ncac

see also butter, cheese, cheese (blue), gruel, ice cream, kidney (poultry), koshk, lactosum powder, milk, milk packets, milk

powder, milk products, milk (buffalo), milk (camel), milk (cow), milk (goat), milk (human breast), milk (raw or dried, for infant formula), milk (sheep), milk (sheep/goat), milk (UHT), milk (whey powder), yogurt

AFLATOXIN

incidence: 9/22*, conc. range: 0–107 µg/kg, country: Nigeria¹⁰, *ncac
 incidence: 113/250*, Ø conc. range: 46–8665 µg/kg, country: USA⁴², *ncac
 incidence: 90/7937*, conc. range: ≤396 µg/kg, country: USA⁷³, *ncac
 incidence: 235/17,245*, conc. range: nc, country: USA⁷³, *ncac
 incidence: ?/4, conc. range: ≤0.2 µg/kg, country: Ethiopia⁷⁶
 incidence: 4471/12,776*, conc. range: 21–70 µg/kg (2163 sa), 71–200 µg/kg (2076 sa), 201–300 µg/kg (205 sa), 301–400 µg/kg (25 sa), >400 µg/kg (2 sa), country: Mexico⁹⁰, *ncac
 incidence: 45/45*, conc. range: 0–19 µg/kg (23 sa), 20–99 µg/kg (15 sa), 100–399 µg/kg (5 sa), 400–799 µg/kg (2 sa), country: USA¹²⁸, *ncac
 incidence: 45/45*, conc. range: 0–19 µg/kg (33 sa), 20–99 µg/kg (7 sa), 100–399 µg/kg (2 sa), 400–799 µg/kg (3 sa), country: USA¹²⁸, *ncac
 incidence: 6/923*, conc. range: 13–151 µg/kg, Ø conc.: 45 µg/kg, country: USA¹⁷⁹, *ncac
 incidence: 33/76*, conc. range: 11–30 µg/kg (14 sa), 31–100 µg/kg (12 sa), >100 µg/kg (7 sa, with a maximum of 806 µg/kg), country: India¹⁹⁵, *ncac
 incidence: 25/192* **, conc. range: tr–117 µg/kg, country: USA⁸¹⁹, *dry-milled, **ncac
 see also barley, beer, bran (rice), flour (maize), injera, jars, kocho, maize roti, malt (barley), malt (maize), nuts (peanut), nuts (peanut butter), nuts (pistachio), oil (peanut), paste (pepper, red), rice, spices (pepper)

AFLATOXINS (B₁, B₂)

incidence: 7/68*, conc. range: <5 µg/kg (2 sa), 6–20 µg/kg (4 sa), 28 µg/kg (1 sa)
 country: Guatemala³³, *white

incidence: 8/8*, conc. range: 7–360 µg/kg, Ø conc.: 147 µg/kg, country: USA⁷¹³, *ncac
 incidence: 16/75, conc. range: ≤20.8 µg/kg, country: Venezuela⁸⁵¹
 see also flour (maize), meal (protein supplement), millet, rice, spices

AFLATOXINS (B₁, B₂, G₁)

incidence: 7/50*, conc. range: <5 µg/kg (1 sa), 6–20 µg/kg (3 sa), 21–50 µg/kg (1 sa), >50 µg/kg (2 sa, maximum 240 µg/kg)
 country: Guatemala³³, *yellow
 see also coffee, meal (maize), nuts (peanut), rice

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 22*/49, conc. range: 1–100 µg/kg (13 samples), 100–1000 µg/kg (9 sa), country: Uganda⁵, *19 sa contained AFB₁, 11 AFB₂, 14 AFG₁, 4 AFG₂
 incidence: 7/47, conc. range: 6–20 µg/kg (4 sa), 21–100 µg/kg (2 sa), 130 µg/kg (1 sa), country: Guatemala³⁴
 incidence: 30/30, conc. range: 4–400 µg/kg, Ø conc.: 88 µg/kg, country: Brazil¹⁰⁸
 incidence: 30/30*, conc. range: 4–389 µg/kg, Ø conc.: 84.8 µg/kg, country: Brazil¹⁰⁸, *fraction ≤4.5 mm
 incidence: 30/30*, conc. range: 6–1172 µg/kg, Ø conc.: 204 µg/kg, country: Brazil¹⁰⁸, *fraction <4.5 mm
 incidence: 22/62, Ø conc.: 400 µg/kg, max. conc.: 2730 µg/kg, country: Thailand¹⁶³
 incidence: 9*/27, conc. range: tr–10 µg/kg, country: UK²²⁰, *includes maize and maize products
 incidence: 20/139* **, conc. range: 0.4–1 µg/kg (14 sa), 1.1–4 µg/kg (9 sa), >4 µg/kg (7 sa, with a maximum of 29.1 µg/kg), country: UK⁷⁴⁵, *from different countries, **ncac
 incidence: 1/71*, conc.: >20 µg/kg (1 sa), country: Uruguay⁷⁸⁷, *ncac
 incidence: 57/319*, conc. range: tr–>100 µg/kg, country: USA⁸²⁰, *ncac
 incidence: 17/57* **, conc. range: >20–845 µg/kg, country: USA⁸²⁰, *damaged, **ncac
 see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices,

lentils, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (fig), peas, phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

AFATOXINS (TOTAL)

incidence: 5/47* **, conc. range: >6.8–10 µg/kg (4 sa), –15 µg/kg (1 sa), country: Switzerland¹³¹, *from Ecuador, **soft
incidence: 16/42* **, conc. range: >6.8–20 µg/kg (6 sa), –50 µg/kg (1 sa), –100 µg/kg (2 sa), –500 µg/kg (4 sa), –2000 µg/kg (3 sa), country: Switzerland¹³¹, *from Ecuador, **hard
incidence: 394/1283, conc. range: <10 µg/kg (136 sa), 10–19 µg/kg (93 sa), 20–29 µg/kg (45 sa), 30–100 µg/kg (91 sa), >100 µg/kg (29 sa), with a maximum of 306 µg/kg, country: USA¹⁷³

see also beans, butter, figs, nut cereals, nuts (almond), nuts (brazil), nuts (cashew), nuts (“chico–felix”), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), paste (fig), rice, sunflower seeds

AFATOXINS

incidence: 4/30* ** ***, conc. range: 0.1–≤23.4 µg/kg country: Qatar², *ncac, **includes maize and maize products, ***imported
incidence: 42/42*, conc. range: 1–20 µg/kg (2 sa), 21–50 µg/kg (19 sa), 51–100 µg/kg (15 sa), 101–200 µg/kg (5 sa), 201–300 µg/kg (1 sa), Ø conc.: 66 µg/kg, country: Mexico³⁵, *si
incidence: 49/49*, conc. range: 51–100 µg/kg (6 sa), 101–200 µg/kg (12 sa), 201–300 µg/kg

(11 sa), 301–400 µg/kg (12 sa), 401–500 µg/kg (5 sa), 501–600 µg/kg (2 sa), 610–2000 µg/kg (1 sa), Ø conc.: 295 µg/kg, country: Mexico³⁵, *nsi
incidence: 9*/10, conc. range: 2–35 µg/kg, Ø conc.: 9.7 µg/kg, country: The Gambia⁷²
incidence: 77/99*, conc. range: 1–19 µg/kg (40 sa), 20–49 µg/kg (15 sa), 50–99 µg/kg (11 sa), 100–499 µg/kg (10 sa), ≥500 µg/kg (1 sa), country: USA¹⁵⁸, *ncac
incidence: 215/253*, conc. range: 1–19 µg/kg (70 sa), 20–49 µg/kg (72 sa), 50–99 µg/kg (37 sa), 100–499 µg/kg (31 sa), ≥500 µg/kg (5 sa), country: USA¹⁵⁸, *ncac
incidence: 7/22*, conc. range: 12–160 µg/kg AFB₁, 25–90 µg/kg AFB₂, 10–95 µg/kg AFG₁, 65 µg/kg AFG₂, country: India⁷⁸⁴, *ncac
see also beans, candy (peanut), candy (pistachio), cassava, figs, flour (maize), grain mixtures, grains, maize dough, maize products, melon seeds, millet, nuts, nuts (almond), nuts (brazil), nuts (peanut), nuts (peanut butter), nuts (peanut mix), nuts (peanut products), nuts (pecan), nuts (pistachio), nuts (walnut), nuts and seeds, paste (peanut), paste (pipian), peas, rice, sauce (leaf), snacks, sorghum, spices, spices (chilli), spices (cumin), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper), spices (tandoori), teff, tubers, wheat

ALTENUENE

incidence: 3/15*, conc. range: ≤370 µg/kg, country: Egypt²⁹¹, *yellow
see also barley, fruits (apple), olives, ragi, rice, sorghum, tomatoes, wheat

BEAUVERICIN

incidence: 4/6* **, conc. range: 5000–10,000 µg/kg, Ø conc.: 7500 µg/kg, country: Italy⁴³³, *moldy, **ncac
incidence: 19/209*, conc. range: 13–1864 µg/kg, Ø conc.: 408.9 µg/kg, country: Croatia⁴⁶⁰, *ncac
incidence: 12/12*, conc. range: 1800–36,890 µg/kg, Ø conc.: 15,221 µg/kg, country: Poland⁴⁶³, *ncac
incidence: 4/42* **, conc. range: 4000–40,000 µg/kg, Ø conc.: 21,000 µg/kg, country: Italy⁴⁹⁴, *s, **ncac

incidence: 13/14* **, conc. range: 5000–60,000 µg/kg, Ø conc.: 18,846 µg/kg, country: Poland⁴⁹⁵, *Fdk, **ncac
 incidence: 3/99* ** ***, conc. range: 120–450 µg/kg, Ø conc.: 253 µg/kg, country: Switzerland⁵⁰², *imported, **and products, ***ncac
 incidence: 6/22* **, conc. range: tr–520,000 µg/kg, country: Italy⁵¹³, *vm, **ncac
 see also barley, oats, wheat

CITREOVIRIDIN

incidence: 5/8*, conc. range: 19–2790 µg/kg, Ø conc.: 1230 µg/kg, country: USA⁷¹³, *ncac

CITRININ

incidence: 3/36*, conc. range: 71.2–211.3 µg/kg, Ø conc.: 62.9 µg/kg?, country: Egypt⁷²¹, *yellow
 incidence: 1/1*, conc.: 450 µg/kg, country: UK⁸⁰⁷, *ncac
 see also angkak (red mold rice), barley, cereals, cheese, food, food colorant, fruits (apple), maize dough, meal (copra), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), oil seed rape, olives, rice, spices, spices (cardamom), spices (coriander), spices (cumin), spices (fennel), spices (pepper), spices (turmeric), wheat

CYCLOPIAZONIC ACID

incidence: 23/45*, conc. range: tr–2771 µg/kg, country: USA⁸²⁶, *ncac
 see also cassava, cheese, milk (cow), nuts (peanut), pulp (tomato), tomato purée

DEOXYNIVALENOL

incidence: 15/18*, conc. range: tr–2800 µg/kg, Ø conc.: 400 µg/kg, country: France²⁰⁴, *ncac
 incidence: 14/21*, conc. range: tr–558 µg/kg, Ø conc.: 70 µg/kg, country: France²⁰⁴, *ncac
 incidence: 6/9*, conc. range: 100–500 µg/kg, Ø conc.: 166.7 µg/kg, country: Cameroon²⁴¹, *ncac
 incidence: 9/9*, conc. range: 100–1300 µg/kg, Ø conc.: 433.3 µg/kg, country: Cameroon²⁴¹, *ncac
 incidence: 22/34, conc. range: 13–1160 µg/kg, Ø conc.: 400 µg/kg, country: China²⁸⁵

incidence: 2/20, conc. range: 15–87 µg/kg, Ø conc.: 51 µg/kg, country: China²⁸⁵
 incidence: 42/196*, conc. range: <2–600 µg/kg, Ø conc.: 239.4 µg/kg, country: Saudi Arabia³²⁵, *ncac
 incidence: 2/2, conc. range: 256–21,200 µg/kg, Ø conc.: 10,728 µg/kg, country: China³⁴²
 incidence: 15/15*, conc. range: 727–5227 µg/kg, Ø conc.: 2767 µg/kg, country: USA³⁷², *ncac
 incidence: 7/8, conc. range: 1200–3000 µg/kg, Ø conc.: 1800 µg/kg, country: USA⁴²⁴
 incidence: 2/16, conc. range: 21–32 µg/kg, Ø conc.: 27 µg/kg, country: Indonesia⁴²⁶
 incidence: 6/7, conc.: 1800–32,500 µg/kg, Ø conc.: 8900 µg/kg, country: Poland⁴³⁸, *hdk, **ncac
 incidence: 14/17*, conc. range: 20–100 µg/kg (6 sa), ≤1450 µg/kg (8 sa), country: UK⁴⁵⁰, *imported
 incidence: 8/11*, conc. range: 10–20 µg/kg (1 sa), 20–100 µg/kg (5 sa), 110 µg/kg (1 sa), 140 µg/kg (1 sa), country: UK⁴⁵⁰, *brewers
 incidence: 24/24* **, conc. range: 360–12,670 µg/kg, Ø conc.: 5376 µg/kg, country: China⁴⁵⁶, *and meal, **high EC area
 incidence: 5/13*, conc. range: 30–300 µg/kg, Ø conc.: 164 µg/kg, country: New Zealand⁴⁵⁷, *ncac
 incidence: 2/2, conc. range: 20–30 µg/kg, Ø conc.: 25 µg/kg, country: New Zealand⁴⁵⁷
 incidence: 30/46, conc. range: 29–2752 µg/kg, Ø conc.: 310 µg/kg, country: Korea⁴⁶²
 incidence: 7/16*, conc. range: 900–2700 µg/kg, Ø conc.: 1400 µg/kg, country: USA⁴⁷⁸, *from China
 incidence: 25/93*, conc. range: 4–871 µg/kg, Ø conc.: 247.6 µg/kg, country: Italy⁴⁸¹, *ncac
 incidence: ?/27*, conc. range: 17–3505 µg/kg, Ø conc.: 574 µg/kg, country: China⁴⁹⁷, *high EC area
 incidence: 8/20*, conc. range: 11–612 µg/kg, Ø conc.: 99 µg/kg, country: China⁴⁹⁷, *low EC area
 incidence: 10/10*, conc. range: 48–3919 µg/kg, Ø conc.: 650 µg/kg, country: China⁴⁹⁸, *high EC area

incidence: 5/5*, conc. range: 129–713 µg/kg, Ø conc.: 356 µg/kg, country: China⁴⁹⁸, *medial EC area
 incidence: 10/10*, conc. range: 20–725 µg/kg, Ø conc.: 163 µg/kg, country: China⁴⁹⁸, *low EC area
 incidence: 3/3* **, conc. range: 24–36 µg/kg, Ø conc.: 30.7 µg/kg, country: The Netherlands⁵⁰⁰, *unknown, **ncac
 incidence: 1/3, conc.: 352 µg/kg, country: Korea⁵⁰⁹
 incidence: 14/15*, conc. range: 22–442 µg/kg, Ø conc.: 145 µg/kg, country: Korea⁵¹⁴, *ncac
 incidence: 243/283*, conc. range: 20–4090 µg/kg, country: Canada⁵²¹, *ncac
 incidence: 2/86, conc. range: 410–2020 µg/kg, Ø conc.: 1215 µg/kg, country: India⁵²⁶
 incidence: 34/36*, conc. range: 6–15,200 µg/kg, Ø conc.: 4000 µg/kg, country: Korea⁵²⁷, *vm
 incidence: 8/35*, conc. range: 10–100 µg/kg, Ø conc.: 40 µg/kg, country: Korea⁵²⁷, *vh
 incidence: 9/45*, Ø conc.: 402 µg/kg, country: Japan⁵³⁰, *ncac
 incidence: 4/5* **, conc. range: 240–570 µg/kg, Ø conc.: 410 µg/kg, country: Japan⁵³², *from USA, **ncac
 incidence: 1/1* **, conc.: 960 µg/kg, country: Japan⁵³⁷, *from Canada, **ncac
 incidence: 2/20* **, Ø conc.: 111 µg/kg, country: Japan⁵³⁸, *from Argentina, **ncac
 incidence: 2/3* **, Ø conc.: 402 µg/kg, country: Japan⁵³⁸, *from Italy, **ncac
 incidence: 3/9* **, Ø conc.: 541 µg/kg, country: Japan⁵³⁸, *from Nepal, **ncac
 incidence: 1/12* **, conc.: 6 µg/kg, country: Japan⁵³⁸, *from Yemen, **ncac
 incidence: 2/2*, conc. range: 240–420 µg/kg, Ø conc.: 330 µg/kg, country: Canada⁵⁴⁰, *ncac
 incidence: 1/1*, conc.: 420 µg/kg, country: South Africa⁵⁴¹, *vm
 incidence: 1/1*, conc.: 2500 µg/kg, country: South Africa⁵⁴¹, *Fdk
 incidence: 48/50*, conc. range: 20–2200 µg/kg, country: USA⁵⁴⁵, *ncac
 incidence: 97/105*, conc. range: 95–312 µg/kg, country: Taiwan⁵⁴⁷, *from South Africa, USA

incidence: 48/50*, conc. range: ≤2100 µg/kg, country: USA⁵⁶¹, *ncac
 incidence: 2/4* **, conc. range: 280–640 µg/kg, Ø conc.: 460 µg/kg, country: Germany⁵⁶², *from Italy, USA, unknown origin, **o
 incidence: 3/5* ** ***, conc. range: 12,500–175,200 µg/kg, Ø conc.: 88,633 µg/kg, country: Italy⁵⁶³, *from Poland, **Fdk, ***ncac
 incidence: 93/198, conc. range: ≤2740 µg/kg, country: USA⁵⁶⁹
 incidence: 15/46*, conc. range: 100–1500 µg/kg, Ø conc.: 140 µg/kg, country: USA⁷⁵⁸, *ncac
 incidence: 14/58*, conc. range: 200–400 µg/kg, country: Argentina⁷⁶², *ncac
 incidence: 141/249, conc. range: ≤1830 µg/kg, country: South Africa⁷⁹⁸
 incidence: 39/292* **, conc. range: 50.4–2081.9 µg/kg, country: UK⁸³⁸, *and from different countries, **includes sweetcorn, corn on the cob, baby food, corn oil, corn flour, polenta, maize meal, maize pasta, maize based snacks and tortillas
 incidence: 1/11*, conc.: 650 µg/kg, country: Turkey⁸⁶³, *dried
 see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

3-ACETYLDEOXYNIVALENOL

incidence: 20/93*, conc. range: 2–514 µg/kg, Ø conc.: 77.2 µg/kg, country: Italy⁴⁸¹, *ncac

incidence: 2/10*, conc. range: 47–110 µg/kg, Ø conc.: 79 µg/kg, country: China⁴⁹⁸, *high EC area

incidence: 4/10*, conc. range: 5–36 µg/kg, Ø conc.: 18 µg/kg, country: China⁴⁹⁸, *medial EC area

incidence: 5/10*, conc. range: 5–121 µg/kg, Ø conc.: 47 µg/kg, country: China⁴⁹⁸, *medial EC area

incidence: 12/36*, conc. range: 20–1500 µg/kg, Ø conc.: 200 µg/kg, country: Korea⁵²⁷, *vm

incidence: 2/35*, conc. range: 50–200 µg/kg, Ø conc.: 200 µg/kg, country: Korea⁵²⁷, *vh incidence: 2/5* ** ***, conc. range:

2400–7500 µg/kg, Ø conc.: 4950 µg/kg, country: Italy⁵⁶³, *from Poland, **Fdk, ***ncac

see also barley, bread, cereals, cereals (breakfast), flakes (oat), flour (maize), flour (wheat), food, food (baby), grits (maize), oat products, oats, rice, rye, snacks, wheat

15-ACETYLDEOXYNIVALENOL

incidence: 13/34, conc. range: 76–620 µg/kg, Ø conc.: 237 µg/kg, country: China²⁸⁵

incidence: 1/2, conc.: 2537 µg/kg, country: China³⁴²

incidence: 12/46, conc. range: 22–1726 µg/kg, Ø conc.: 297 µg/kg, country: Korea⁴⁶²

incidence: 2/16*, conc. range: 500–700 µg/kg, Ø conc.: 600 µg/kg, country: USA⁴⁷⁸, *from China

incidence: ?/27*, conc. range: 44–752 µg/kg, Ø conc.: 274 µg/kg, country: China⁴⁹⁷, *high EC area

incidence: 1/20*, conc.: 104 µg/kg, country: China⁴⁹⁷, *low EC area

incidence: 7/10*, conc. range: 48–918 µg/kg, Ø conc.: 211 µg/kg, country: China⁴⁹⁸, *high EC area

incidence: 5/5*, conc. range: 96–284 µg/kg, Ø conc.: 176 µg/kg, country: China⁴⁹⁸, *medial EC area

incidence: 5/10*, conc. range: 25–918 µg/kg, Ø conc.: 64.8 µg/kg, country: China⁴⁹⁸, *low EC area

incidence: 30/36*, conc. range: 20–4600 µg/kg, Ø conc.: 900 µg/kg, country: Korea⁵²⁷, *vm

incidence: 6/35*, conc. range: 2–100 µg/kg, Ø conc.: 40 µg/kg, country: Korea⁵²⁷, *vh

incidence: 2/5* ** ***, conc. range: 500–600 µg/kg, Ø conc.: 550 µg/kg, country: Italy⁵⁶³, *from Poland, **Fdk, ***ncac

see also barley, bran (oat), bran (wheat), cereals (breakfast), flour (maize), flour (wheat), food, grits (maize), noodles, oat products, oats, snacks, wheat

FUMONISIN B₁

incidence: 50/50*, conc. range: 185–27,050 µg/kg, Ø conc.: 2229 µg/kg, country:

Argentina¹⁶⁷, *ncac

incidence: 26/35*, conc. range: 10–4700 µg/kg, country: India¹⁹², *ncac

incidence: 19/19*, conc. range: 40–64,700 µg/kg, country: India¹⁹², *ncac, rain-affected

incidence: 212/214*, conc. range: 200–6100 µg/kg, Ø conc.: 2200 µg/kg, country: Brazil²⁰⁵, *ncac

incidence: 14/14*, conc. range: 70–2621 µg/kg, Ø conc.: 608.8 µg/kg, country:

Denmark²⁰⁶, *from Ghana

incidence: 15/15*, conc. range: 11–1655 µg/kg, Ø conc.: 358.1 µg/kg, country:

Denmark²⁰⁶, *from Ghana

incidence: 1/6*, conc.: 956 µg/kg, country: Argentina²⁰⁸, *yellow

incidence: 1/2*, conc.: 1322 µg/kg, country: Argentina²⁰⁸, *white

incidence: 2/11* **, conc. range: nd–80 µg/kg, Ø conc.: 70 µg/kg, country: Brazil²¹⁵, *sweet, **canned

incidence: 8/11*, conc. range: nd–4520 µg/kg, Ø conc.: 1160 µg/kg, country: Brazil²¹⁵, *degerminated

incidence: 30/30*, conc. range: 460–9950 µg/kg, Ø conc.: 3939 µg/kg, country: Argentina²³⁶, *ncac

incidence: 49/49*, conc. range: 142.2–1377.6 µg/kg, Ø conc.: 459.8 µg/kg, country: Croatia²⁴⁰, *ncac

incidence: 9/9*, conc. range: 1900–26,000 µg/kg, Ø conc.: 7477.7 µg/kg, country: Cameroon²⁴¹, *ncac

incidence: 7/9*, conc. range: 300–2000 µg/kg, Ø conc.: 1214.3 µg/kg, country: Cameroon²⁴¹, *ncac

incidence: 11/38*, conc. range: 9.8–193 µg/kg, country: Germany²⁷⁴, *partly from Spain, Hungary, Israel

incidence: 27/34, conc. range: 76–21,000 µg/kg, Ø conc.: 2730 µg/kg, country: China²⁸⁵

incidence: 10/20, conc. range: 79–8470 µg/kg, Ø conc.: 2702 µg/kg, country: China²⁸⁵

incidence: 61/74* **, conc. range: 4–16,000 µg/kg, country: Germany²⁹⁰, *partly from Italy, **maizeflour, maizegrits, polenta

incidence: 15/20, conc. range: 58–1976 µg/kg, Ø conc.: 377 µg/kg, country: China³⁰⁷

incidence: 15/20, conc. range: 72–294 µg/kg, Ø conc.: 129 µg/kg, country: China³⁰⁷

incidence: 26/27*, conc. range: 70–2520 µg/kg, Ø conc.: 580 µg/kg, country: Brazil³²⁶, *ncac

incidence: 86/86*, conc. range: 90–10,690 µg/kg, Ø conc.: 2390 µg/kg, country: Brazil³²⁶, *ncac

incidence: 37/37*, conc. range: 370–13,460 µg/kg, Ø conc.: 4560 µg/kg, country: Brazil³²⁶, *ncac

incidence: 2/2, conc. range: 517–541 µg/kg, Ø conc.: 529 µg/kg, country: China³⁴²

incidence: 52/57*, conc. range: 110–17,690 µg/kg, country: Brazil³⁴⁹, *ncac

incidence: 20/20*, conc. range: <50–4100 µg/kg, country: USA³⁵⁰, *ncac

incidence: 55/108, conc. range: 65–1830 µg/kg, country: Nigeria³⁵¹

incidence: 2/3, conc. range: 15,000–36,000 µg/kg, Ø conc.: 25,500 µg/kg, country: USA³⁵²

incidence: 8/8*, conc. range: ≤300,000 µg/kg, country: Italy³⁵³, *ncac

incidence: 23/23*, conc. range: 1630–25,690 µg/kg, Ø conc.: 5610 µg/kg, country: Brazil³⁵⁴, *ncac

incidence: 48/55*, conc. range: 200–19,200 µg/kg, Ø conc.: 4800 µg/kg, country: Spain³⁵⁵, *ncac

incidence: 18/96, conc. range: 100–22,200 µg/kg, country: South Africa³⁵⁸

incidence: 35/35*, conc. range: 4–16,000 µg/kg, Ø conc.: 2500 µg/kg, country: Costa Rica³⁵⁹, *ncac

incidence: 26/26* **, conc. range: 10–2330 µg/kg, Ø conc.: 381.9 µg/kg, country: Italy³⁶⁰, *inbred lines, **ncac

incidence: 9/9* ** ***, conc. range: 90–2300 µg/kg, Ø conc.: 1031.1 µg/kg, country: Italy³⁶⁰, *hybrids, **all grown in Portugal, ***ncac

incidence: 11/19* ** ***, conc. range: 10–60 µg/kg, Ø conc.: 19.1 µg/kg, country: Italy³⁶⁰, *hybrids, **all grown in Croatia, ***ncac

incidence: 2/7* ** ***, conc. range: 10–20 µg/kg, Ø conc.: 15 µg/kg, country: Italy³⁶⁰, *hybrids, **all grown in Poland, ***ncac

incidence: 3/6* ** ***, conc. range: 10–20 µg/kg, Ø conc.: 13.3 µg/kg, country: Italy³⁶⁰, *hybrids, **all grown in Romania, ***ncac

incidence: 9/9* ** ***, conc. range: 20–2630 µg/kg, Ø conc.: 570 µg/kg, country: Italy³⁶⁰, *hybrids, **all grown in Benin, ***ncac

incidence: 20/20* ** ***, conc. range: 20–1420 µg/kg, Ø conc.: 180 µg/kg, country: Italy³⁶⁰, *hybrids, **all grown in Zambia, ***ncac

incidence: 2/2* ** ***, conc. range: 280 µg/kg, Ø conc.: 280 µg/kg, country: Italy³⁶⁰, *hybrids, **unknown origin, ***ncac

incidence: 7/7*, conc. range: 100–5310 µg/kg, Ø conc.: 2107.1 µg/kg, country: Italy³⁶², *ncac

incidence: 6/6*, conc. range: 790–6100 µg/kg, Ø conc.: 3145 µg/kg, country: Italy³⁶², *puffed

incidence: 5/5* **, conc. range: 60–790 µg/kg, Ø conc.: 298 µg/kg, country: Italy³⁶², *sweet, **canned and one sa fresh cobs

incidence: 1/1, conc.: 8790 µg/kg, country: USA³⁶³, *ncac

incidence: 6/6, conc. range: 4000–8000 µg/kg, Ø conc.: 5166.7 µg/kg, country: Zimbabwe³⁶⁵

incidence: 48/48*, conc. range: 600–18,520 µg/kg, Ø conc.: 5080 µg/kg, country: Brazil³⁶⁷, *for food and feed

incidence: 1/1* **, conc.: 26 µg/kg, country: USA³⁶⁹, *yellow, **canned

incidence: 47/197, conc. range: 110–12,000 µg/kg, Ø conc.: 670 µg/kg, country: Kenya³⁷¹

incidence: 5/12*, conc. range: 47–1010 µg/kg, Ø conc.: 298 µg/kg, country: Korea³⁷⁵, *for popping

incidence: 62/62*, conc. range: tr–3350 µg/kg, Ø conc.: 626.8 µg/kg, country: The

Netherlands³⁷⁹, *from Bahrein, France, Greece and unknown origin
 incidence: 8/19*, conc. range: tr–380 µg/kg, country: The Netherlands³⁸⁰, *for bread production
 incidence: 1/10*, conc.: tr, country: The Netherlands³⁸⁰, *for popcorn
 incidence: 1/7*, conc.: 360 µg/kg, country: Turkey³⁸¹, *from USA
 incidence: 2/4*, conc. range: 300–320 µg/kg, Ø conc.: 310 µg/kg, country: Turkey³⁸¹, *canned
 incidence: 176/195* **, conc. range: 870–49,310 µg/kg, Ø conc.: 9720 µg/kg, country: Brazil³⁸², *ncac, **hybrids
 incidence: 1/1* **, conc.: 3750 µg/kg, country: Japan³⁸⁷, *ncac, **imported?
 incidence: 11/22, conc. range: 165–5787 µg/kg, Ø conc.: 1876.2 µg/kg, country: Uruguay³⁹⁹
 incidence: 1/2*, conc.: 155 µg/kg, country: Uruguay³⁹⁹, *frozen
 incidence: 1/7*, conc.: 70 µg/kg, country: Switzerland⁴⁰⁰, *sweet
 incidence: 212/214*, conc. range: 200–≤6000 µg/kg, country: Brazil⁴⁰¹, *ncac
 incidence: 2/12*, conc. range: ≤550, Ø conc.: 375 µg/kg, country: South Africa⁴⁰², *good corn, low-EC area
 incidence: 12/12*, conc. range: 50–7900 µg/kg, Ø conc.: 1600 µg/kg, country: South Africa⁴⁰², *good corn, high-EC area
 incidence: 11/11*, conc. range: 450–18,900 µg/kg, Ø conc.: 6520 µg/kg, country: South Africa⁴⁰², *moldy corn intended for beer brewing or animal feed, low-EC area
 incidence: 12/12*, conc. range: 3450–46,900 µg/kg, Ø conc.: 23,900 µg/kg, country: South Africa⁴⁰², *moldy corn intended for beer brewing or animal feed, high-EC area
 incidence: 6/8*, conc. range: ≤3310 µg/kg, Ø conc.: 667 µg/kg, country: South Africa⁴⁰², *good corn, low-EC area
 incidence: 5/6*, conc. range: ≤5380 µg/kg, Ø conc.: 1840 µg/kg, country: South Africa⁴⁰², *good corn, high-EC area
 incidence: 7/7*, conc. range: 110–11,340 µg/kg, Ø conc.: 4050 µg/kg, country: South Africa⁴⁰², *moldy corn, low-EC area

incidence: 6/6*, conc. range: 3020–117,520 µg/kg, Ø conc.: 53,740 µg/kg, country: South Africa⁴⁰², *moldy corn, high-EC area
 incidence: 2/5*, conc. range: 300–3400 µg/kg, country: USA⁴⁰³, *Indian
 incidence: 6/10, conc. range: 50–880 µg/kg, Ø conc.: 376.7 µg/kg, country: Iran⁴⁰⁸
 incidence: 5/5* **, conc. range: 80–16,310 µg/kg, Ø conc.: 3612 µg/kg, country: USA⁴¹⁰, *including 1 white maize sa, **ncac
 incidence: 1/1*, conc.: 60 µg/kg, country: USA⁴¹⁰, *hominy
 incidence: 47/47* **, conc. range: 50–700 µg/kg, Ø conc.: 307.4 µg/kg, country: South Africa⁴¹¹, *from Argentina, **ncac
 incidence: 79/79* **, conc. range: 900–3900 µg/kg, Ø conc.: 2347 µg/kg, country: South Africa⁴¹¹, *from USA, **ncac
 incidence: 17/17* **, conc. range: 1655–6695 µg/kg, Ø conc.: 2876.8 µg/kg, country: South Africa⁴¹², *from Argentina, **ncac
 incidence: 7/7, conc. range: 105–1915 µg/kg, Ø conc.: 635 µg/kg, country: South Africa⁴¹³, *from USA
 incidence: 1/1*, conc.: 1848 µg/kg, country: USA⁴¹⁴, *ncac
 incidence: 9/27*, conc. range: 8–350 µg/kg, Ø conc.: 53.3 µg/kg, country: USA⁴¹⁶, *frozen
 incidence: 28/70*, conc. range: 4–235 µg/kg, Ø conc.: 201 µg/kg, country: USA⁴¹⁶, *canned
 incidence: 3/20* **, conc. range: 4–26 µg/kg, Ø conc.: 12.7 µg/kg, country: USA⁴¹⁶, *liquid, **canned
 incidence: 49/110, conc. range: 109–1148 µg/kg, country: Taiwan⁴¹⁷
 incidence: 12/24* **, conc. range: ≤1089 µg/kg, Ø conc.: 400.4 µg/kg, country: Taiwan⁴¹⁸, *sweet, **canned
 incidence: 8/118* **, conc. range: 334–1614 µg/kg, country: Taiwan⁴¹⁹, *from Australia, Thailand, USA, **ncac
 incidence: 11/39*, conc. range: 22.4–119.4 µg/kg, country: Spain⁴²¹, *sweet
 incidence: 7/51*, conc. range: 16.5–211.3 µg/kg, country: Spain⁴²¹, *for popcorn
 incidence: 4/36*, conc. range: 17.6–88.5 µg/kg, country: Spain⁴²¹, *toasted

incidence: 13/27* **, conc. range: 186–2964 µg/kg, Ø conc.: 872 µg/kg, country: Japan⁴²², *from China, **high–EC area
 incidence: 5/20* **, conc. range: 197–1732 µg/kg, Ø conc.: 890 µg/kg, country: Japan⁴²², *from China, **low–EC area
 incidence: 16/16, conc. range: 51–2440 µg/kg, Ø conc.: 788 µg/kg, country: Indonesia⁴²⁶
 incidence: 6/6* **, conc. range: 125,000–250,000 µg/kg, Ø conc.: 187,500 µg/kg, country: Italy⁴³³, *moldy, **ncac
 incidence: 71/100, conc. range: 43–1642 µg/kg, country: USA⁴⁵³
 incidence: 129/246, conc. range: 500–16,000 µg/kg, country: China⁴⁷⁵
 incidence: 2/16*, conc. range: 2200–2400 µg/kg, Ø conc.: 2300 µg/kg, country: USA⁴⁷⁸, *from China
 incidence: 4/42* **, conc. range: 150,000–250,000 µg/kg, Ø conc.: 202,500 µg/kg, country: Italy⁴⁹⁴, *s, **ncac
 incidence: 20/22* **, conc. range: tr–300,000 µg/kg, country: Italy⁵¹³, *vm, **ncac
 incidence: 33/36*, conc. range: 100–168,800 µg/kg, Ø conc.: 23,200 µg/kg, country: Korea⁵²⁷, *vm
 incidence: 10/35*, conc. range: 90–12,500 µg/kg, Ø conc.: 3200 µg/kg, country: Korea⁵²⁷, *vh
 incidence: 8/8*, conc. range: 10–590 µg/kg, Ø conc.: 169 µg/kg, country: South Africa⁵⁵³, *from Iran
 incidence: 10/10, conc. range: 300–1500 µg/kg, Ø conc.: 900 µg/kg, country: Côte d'Ivoire⁵⁵⁷
 incidence: ?/96* **, conc. range: 400–77,200 µg/kg***, country: USA⁶⁶⁸, *from Guatemala, **nixtamalized, ***dw
 incidence: 8/15, conc. range: 25–2170 µg/kg, Ø conc.: 486 µg/kg, country: Colombia⁶⁷²
 incidence: 12/12*, conc. range: 250–64,700 µg/kg, country: India⁷²⁰, *ah
 incidence: ?/6*, conc. range: 50–240 µg/kg, country: India⁷²⁰, *nah
 incidence: 139/139* **, conc. range: 10–100 µg/kg (30 sa), 101–500 µg/kg (42 sa), 501–1000 µg/kg (28 sa), 1001–5000 µg/kg (39 sa, with a maximum of 3406 µg/kg), country: UK⁷⁴⁵, *from different countries, **ncac

incidence: 46/46*, conc. range: tr–30,000 µg/kg, Ø conc.: 9500 µg/kg, country: USA⁷⁵⁸, *ncac
 incidence: 81/103*, conc. range: 70–1780 µg/kg, Ø conc.: 495 µg/kg, country: Nigeria⁷⁵⁹, *ncac
 incidence: 3/3*, conc. range: 240–295 µg/kg, Ø conc.: 260 µg/kg, country: South Africa⁷⁶³, *from Mozambique
 incidence: 7/8*, conc. range: 20–115 µg/kg, Ø conc.: 67.1 µg/kg, country: South Africa⁷⁶³, *from Malawi
 incidence: 1/2*, conc.: 125 µg/kg, country: South Africa⁷⁶³, *from Zimbabwe
 incidence: 1/1*, conc.: 780 µg/kg, country: South Africa⁷⁶³, *from Kenya
 incidence: 8/9*, conc. range: 25–165 µg/kg, Ø conc.: 79.4 µg/kg, country: South Africa⁷⁶³, *from Tanzania
 incidence: 1/1*, conc.: 605 µg/kg, country: South Africa⁷⁶³, *from Uganda
 incidence: 31/37, conc. range: 25–15,050 µg/kg, country: Venezuela⁷⁷⁷
 incidence: 6/6, conc. range: 12,200–75,200 µg/kg, country: Burundi⁷⁷⁸
 incidence: 23?/23?*, conc. range: 68–6555 µg/kg, Ø conc.: 1357 µg/kg, country: UK⁷⁹¹, *from Honduras
 incidence: 187/249, conc. range: ≤5420 µg/kg, Ø conc.: 450 µg/kg, country: South Africa⁷⁹⁸
 incidence: 10/36*, conc. range: ≤630 µg/kg, Ø conc.: 205 µg/kg, country: South Africa⁷⁹⁹, *exported to Taiwan
 incidence: 14/32*, conc. range: ≤865 µg/kg, Ø conc.: 355 µg/kg, country: South Africa⁷⁹⁹, *exported to Taiwan
 incidence: 26/50* ** ***, conc. range: 57–1820 µg/kg, Ø conc.: 419 µg/kg, country: Japan⁸³², *from Philippines, **for seeds, food and feed, ***and ground
 incidence: 19/27* ** ***, conc. range: 63–18,800 µg/kg, Ø conc.: 1580 µg/kg, country: Japan⁸³², *from Thailand, **for seeds, food and feed, ***and ground
 incidence: 7/12* ** ***, conc. range: 226–1780 µg/kg, Ø conc.: 843 µg/kg, country: Japan⁸³², *from Indonesia, **for seeds, food and feed, ***and ground

incidence: 7/7*, conc. range: 280–33,450 µg/kg, Ø conc.: 6616 µg/kg, country: USA⁸³³, *ncac

incidence: 7/7* **, conc. range: 365–3276 µg/kg, Ø conc.: 1428 µg/kg, country: USA⁸³³,

*from People's Republic of China, **ncac

incidence: 222/292* **, conc. range:

7.6–6341.7 µg/kg, country: UK⁸³⁸, *and from different countries, **includes sweetcorn, corn on the cob, baby food, corn oil, corn flour, polenta, maize meal, maize pasta, maize based snacks and tortillas

incidence: 230/259, conc. range: 100–25,500 µg/kg, Ø conc.: 1927 µg/kg, country: China⁸⁶¹

incidence: 10/20, conc. range: ≤5960 µg/kg, Ø conc.: 1930 µg/kg, country: Morocco⁸⁶⁶

incidence: 32/52*, conc. range: ≤11,015

µg/kg, country: Iran⁸⁶⁷, *for food and feed

incidence: 4/4, conc. range: 680.8–1652.9 µg/kg, Ø conc.: 1193.9 µg/kg, country: USA⁸⁶⁹

see also arepas, asparagus, barley, batter, beans, beer, bran (maize), bread, cake (rice), cereals, cereals (breakfast), chamomile, chips (maize), chips (tortilla), flakes (corn), flour (maize), food, food (baby), foodstuff, grits (maize), Incaparina, leaves, maize fiber, maize muffin, maize products, maize silk, maize starch, masa, meal (maize), meal (sorghum), milk, muffin mix, nuts (peanut), pancake, popcorn, rapoko, rice, snacks, sorghum, soybeans, syrup (sorghum), tea, tortillas, wheat

FUMONISIN B₂

incidence: 50/50*, conc. range: 40–9950 µg/kg, Ø conc.: 812 µg/kg, country:

Argentina¹⁶⁷, *ncac

incidence: 11/14*, conc. range: 60–1375 µg/kg, Ø conc.: 228.5 µg/kg, country:

Denmark²⁰⁶, *from Ghana

incidence: 10/15*, conc. range: 10–722 µg/kg, Ø conc.: 252.9 µg/kg, country: Denmark²⁰⁶,

*from Ghana

incidence: 1/6*, conc.: 319 µg/kg, country: Argentina²⁰⁸, *yellow

incidence: 8/11*, conc. range: nd–640 µg/kg, Ø conc.: 210 µg/kg, country: Brazil²¹⁵,

*degerminated

incidence: 6/11* **, conc. range: nd–210 µg/kg, Ø conc.: 150 µg/kg, country: Brazil²¹⁵, *sweet, **canned

incidence: 29/30*, conc. range: 140–3060

µg/kg, Ø conc.: 1144 µg/kg, country:

Argentina²³⁶, *ncac

incidence: 3/49*, conc. range: 68.4–3084

µg/kg, Ø conc.: 1087.2 µg/kg, country:

Croatia²⁴⁰, *ncac

incidence: 20/34, conc. range: 50–4350 µg/kg,

Ø conc.: 696 µg/kg, country: China²⁸⁵

incidence: 8/20, conc. range: 89–1220 µg/kg,

Ø conc.: 591 µg/kg, country: China²⁸⁵

incidence: 11/20, conc. range: 56–890 µg/kg,

Ø conc.: 257 µg/kg, country: China³⁰⁷

incidence: 7/20, conc. range: 54–104 µg/kg, Ø

conc.: 76 µg/kg, country: China³⁰⁷

incidence: 17/27*, conc. range: 110–1140

µg/kg, Ø conc.: 200 µg/kg, country: Brazil³²⁶,

*ncac

incidence: 84/86*, conc. range: 80–5170

µg/kg, Ø conc.: 1090 µg/kg, country:

Brazil³²⁶, *ncac

incidence: 37/37*, conc. range: 200–6920

µg/kg, Ø conc.: 2200 µg/kg, country:

Brazil³²⁶, *ncac

incidence: 2/2, conc. range: 114–137 µg/kg, Ø

conc.: 125.5 µg/kg, country: China³⁴²

incidence: 33/57*, conc. range: 50–5240

µg/kg, country: Brazil³⁴⁹, *ncac

incidence: 20/20*, conc. range: <50–1050

µg/kg, country: USA³⁵⁰, *ncac

incidence: 23/23*, conc. range: 380–8600

µg/kg, Ø conc.: 1860 µg/kg, country:

Brazil³⁵⁴, *ncac

incidence: 22/55*, conc. range: 200–5900

µg/kg, Ø conc.: 1900 µg/kg, country:

Spain³⁵⁵, *ncac

incidence: 13/26* **, conc. range: 10–520

µg/kg, Ø conc.: 143.1 µg/kg, country: Italy³⁶⁰,

*inbred lines, **ncac

incidence: 9/9* ** ***, conc. range: 250–4450

µg/kg, Ø conc.: 1211.3 µg/kg, country:

Italy³⁶⁰, *hybrids, **all grown in Portugal,

***ncac

incidence: 11/19* ** ***, conc. range: 10

µg/kg, Ø conc.: 10 µg/kg, country: Italy³⁶⁰,

*hybrids, **all grown in Croatia, ***ncac

incidence: 1/7* ** ***, conc.: 10 µg/kg,
country: Italy³⁶⁰, *hybrides, **all grown in
Poland, ***ncac

incidence: 1/6* ** ***, conc. range: 10 µg/kg,
country: Italy³⁶⁰, *hybrids, **all grown in
Romania, ***ncac

incidence: 5/9* **, conc. range: 20–680 µg/kg,
Ø conc.: 184 µg/kg, country: Italy³⁶⁰,
*hybrids, **all grown in Benin, ***ncac

incidence: 15/20* ** ***, conc. range: 10–290
µg/kg, Ø conc.: 50.7 µg/kg, country: Italy³⁶⁰,
*hybrids, **all grown in Zambia, ***ncac

incidence: 2/2* ** ***, conc. range: 50–60
µg/kg, Ø conc.: 55 µg/kg, country: Italy³⁶⁰,
*hybrids, **unknown origin, ***ncac

incidence: 7/7*, conc. range: 30–1480 µg/kg,
Ø conc.: 838.6 µg/kg, country: Italy³⁶², *ncac

incidence: 6/6*, conc. range: 110–740 µg/kg,
Ø conc. 397 µg/kg, country: Italy³⁶², *puffed

incidence: 48/48*, conc. range: 1200–19,130
µg/kg, Ø conc.: 4213 µg/kg, country:
Brazil³⁶⁷, *for food and feed

incidence: 190/195* **, conc. range:
1960–29,160 µg/kg, Ø conc.: 7600 µg/kg,
country: Brazil³⁸², *hybrids, ***ncac

incidence: 1/1* **, conc.: 1440 µg/kg,
country: Japan³⁸⁷, *imported?, **ncac

incidence: 3/12*, conc. range: 0–150 µg/kg, Ø
conc.: 83 µg/kg, country: South Africa⁴⁰²,
*good corn, low-EC area

incidence: 10/12*, conc. range: ≤2250 µg/kg,
Ø conc.: 610 µg/kg, country: South Africa⁴⁰²,
*good corn, high-EC area

incidence: 11/11*, conc. range: 150–6750
µg/kg, Ø conc.: 2500 µg/kg, country: South
Africa⁴⁰², *moldy corn intended for beer
brewing or animal feed, low-EC area

incidence: 12/12*, conc. range: 900–16,300
µg/kg, Ø conc.: 7550 µg/kg, country:

South Africa⁴⁰², *moldy corn intended for
beer brewing or animal feed, high-EC area
incidence: 2/8*, conc. range: ≤970 µg/kg, Ø

conc.: 515 µg/kg, country: South Africa⁴⁰²,
*good corn, low-EC area

incidence: 5/6*, conc. range: ≤1320 µg/kg, Ø
conc.: 508 µg/kg, country: South Africa⁴⁰²,
*good corn, high-EC area

incidence: 6/7*, conc. range: ≤3700 µg/kg, Ø
conc.: 1277 µg/kg, country: South Africa⁴⁰²,
*moldy corn, low-EC area

incidence: 6/6*, conc. range: 750–22,960
µg/kg, Ø conc.: 13,680 µg/kg, country: South
Africa⁴⁰², *moldy corn, high-EC area

incidence: 5/5* **, conc. range: 30–4020
µg/kg, Ø conc.: 918 µg/kg, country: USA⁴¹⁰,
*including 1 white maize sample, **ncac

incidence: 1/1*, conc.: 20 µg/kg, country:
USA⁴¹⁰, *hominy

incidence: 41/47* **, conc. range: <50–500
µg/kg, Ø conc.: 108.3 µg/kg, country: South
Africa⁴¹¹, * imported from Argentina, **ncac

incidence: 79/79* **, conc. range: 300–1200
µg/kg, Ø conc.: 668.5 µg/kg, country: South
Africa⁴¹¹, * imported from USA, **ncac

incidence: 17/17* **, conc. range: 325–2680
µg/kg, Ø conc.: 1137.4 µg/kg, country: South
Africa⁴¹², *from Argentina, **ncac

incidence: 6/7, conc. range: 70–460 µg/kg,
country: South Africa⁴¹³, *from USA

incidence: 1/1*, conc.: 1092 µg/kg, country:
USA⁴¹⁴, *ncac

incidence: 2/110, conc. range: 222–255 µg/kg,
Ø conc.: 238.5 µg/kg, country: Taiwan⁴¹⁷

incidence: 6/24* **, conc. range: ≤658 µg/kg,
Ø conc.: 64.5 µg/kg, country: Taiwan⁴¹⁸,
*sweet, **canned

incidence: 3/27* **, conc. range: 298–550
µg/kg, Ø conc.: 448 µg/kg, country: Japan⁴²²,
*from China, **high-EC area

incidence: 2/20* **, conc. range: 213–447
µg/kg, Ø conc.: 330 µg/kg, country: Japan⁴²²,
*from China, **low-EC area

incidence: 8/16, conc. range: tr–376 µg/kg,
country: Indonesia⁴²⁶

incidence: 4/16*, conc. range: 600–1000
µg/kg, Ø conc.: 800 µg/kg, country: USA⁴⁷⁸,
from China

incidence: 31/36*, conc. range: 70–48,400
µg/kg, Ø conc.: 7500 µg/kg, country:
Korea⁵²⁷, *vm

incidence: 8/35*, conc. range: 100–5400
µg/kg, Ø conc.: 1100 µg/kg, country:
Korea⁵²⁷, *vh

incidence: 2/8*, conc. range: 50–75 µg/kg, Ø
conc.: 63 µg/kg, country: South Africa⁵⁵³,
*from Iran

incidence: 5/15, conc. range: 21–833 µg/kg, Ø conc.: 307 µg/kg, country: Colombia⁶⁷²
 incidence: 37/46*, conc. range: tr–10,700 µg/kg, Ø conc.: 1700 µg/kg, country: USA⁷⁵⁸, *ncac
 incidence: 68/103*, conc. range: 53–230 µg/kg, Ø conc.: 114 µg/kg, country: Nigeria⁷⁵⁹, *ncac
 incidence: 3/3*, conc. range: 75–110 µg/kg, Ø conc.: 90 µg/kg, country: South Africa⁷⁶³, *from Mozambique
 incidence: 1/8*, conc.: 30 µg/kg, country: South Africa⁷⁶³, *from Malawi
 incidence: 1/2*, conc.: 40 µg/kg, country: South Africa⁷⁶³, *from Zimbabwe
 incidence: 1/1*, conc.: 275 µg/kg, country: South Africa⁷⁶³, *from Kenya
 incidence: 1/9*, conc.: 60 µg/kg, country: South Africa⁷⁶³, *from Tanzania
 incidence: 1/1*, conc.: 155 µg/kg, country: South Africa⁷⁶³, *from Uganda
 incidence: 114/249, conc. range: ≤1670 µg/kg, Ø conc.: 254 µg/kg, country: South Africa⁷⁹⁸
 incidence: 6/36*, conc. range: ≤250 µg/kg, Ø conc.: 148 µg/kg, country: South Africa⁷⁹⁹, *exported to Taiwan
 incidence: 4/32*, conc. range: ≤120 µg/kg, Ø conc.: 101 µg/kg, country: South Africa⁷⁹⁹, *exported to Taiwan
 incidence: 6/50* **, conc. range: 58–1210 µg/kg, Ø conc.: 286 µg/kg, country: Japan⁸³², *from Philippines, **for seeds, food and feed
 incidence: 12/27* **, conc. range: 50–1400 µg/kg, Ø conc.: 251 µg/kg, country: Japan⁸³², *from Thailand, **for seeds, food and feed
 incidence: 3/12* **, conc. range: 231–556 µg/kg, Ø conc.: 442 µg/kg, country: Japan⁸³², *from Indonesia, **for seeds, food and feed
 incidence: 5/7*, conc. range: 32–4200 µg/kg, Ø conc.: 1167 µg/kg, country: USA⁸³³, *ncac
 incidence: 4/7* **, conc. range: 96–2834 µg/kg, Ø conc.: 1223 µg/kg, country: USA⁸³³, *from People's Republic of China, **ncac
 incidence: 65/292* **, conc. range: 6.3–1415.5 µg/kg, country: UK⁸³⁸, *and from different countries, **includes sweetcorn, corn on the cob, baby food, corn oil, corn flour, polenta, maize meal, maize pasta, maize based snacks and tortillas

incidence: 18/52*, conc. range: ≤3364 µg/kg, country: Iran⁸⁶⁷, *for food and feed
 see also arepas, asparagus, barley, batter, beer, bran (maize), cereals, cereals (breakfast), chips (maize), chips (tortilla), flakes (corn), flour (maize), food (baby), foodstuff, grits (maize), Incaparina, maize fiber, maize starch, masa, meal (maize), muffin mix, pancake, popcorn, rice, snacks, tortillas, wheat

FUMONISIN B₃

incidence: 6/14*, conc. range: 68–226 µg/kg, Ø conc.: 114.5 µg/kg, country: Denmark²⁰⁶, *from Ghana
 incidence: 4/15*, conc. range: 72–224 µg/kg, Ø conc.: 151.8 µg/kg, country: Denmark²⁰⁶, *from Ghana
 incidence: 28/30*, conc. range: 90–1070 µg/kg, Ø conc.: 432 µg/kg, country: Argentina²³⁶, *ncac
 incidence: 15/34, conc. range: 55–1660 µg/kg, Ø conc.: 382 µg/kg, country: China²⁸⁵
 incidence: 7/20, conc. range: 89–576 µg/kg, Ø conc.: 310 µg/kg, country: China²⁸⁵
 incidence: 7/20, conc. range: 53–385 µg/kg, Ø conc.: 186 µg/kg, country: China³⁰⁷
 incidence: 1/20, conc.: 70 µg/kg, country: China³⁰⁷
 incidence: 2/2, conc. range: 32–59 µg/kg, Ø conc.: 45.5 µg/kg, country: China³⁴²
 incidence: 20/20*, conc. range: <50–420 µg/kg, country: USA³⁵⁰, *ncac
 incidence: 28/47* **, conc. range: <50–500 µg/kg, Ø conc.: 78.2 µg/kg, country: South Africa⁴¹¹, *from Argentina, **ncac
 incidence: 79/79* **, conc. range: 80–600 µg/kg, Ø conc.: 253.9 µg/kg, country: South Africa⁴¹¹, *from USA, **ncac
 incidence: 17/17* **, conc. range: 110–855 µg/kg, Ø conc.: 371.5 µg/kg, country: South Africa⁴¹², *from Argentina, **ncac
 incidence: 4/16, conc. range: 57–222 µg/kg, Ø conc.: 108 µg/kg, country: Indonesia⁴²⁶
 incidence: 1/16*, conc.: 500 µg/kg, country: USA⁴⁷⁸, *from China
 incidence: 31/36*, conc. range: 50–10,600 µg/kg, Ø conc.: 6300 µg/kg, country: Korea⁵²⁷, *vm

incidence: 7/35*, conc. range: 50–500 µg/kg, Ø conc.: 300 µg/kg, country: Korea⁵²⁷, *vh
 incidence: 2/8*, conc. range: 50–75 µg/kg, Ø conc.: 63 µg/kg, country: South Africa⁵⁵³, *from Iran

incidence: 3/3*, conc. range: 25–50 µg/kg, Ø conc.: 40 µg/kg, country: South Africa⁷⁶³, *from Mozambique

incidence: 1/1*, conc.: 130 µg/kg, country: South Africa⁷⁶³, *from Kenya

incidence: 1/1*, conc.: 85 µg/kg, country: South Africa⁷⁶³, *from Uganda

incidence: 47/128, conc. range: ≤400 µg/kg, Ø conc.: 82.4 µg/kg, country: South Africa⁷⁹⁸

incidence: 2/7* **, conc. range: 230–545 µg/kg, Ø conc.: 388 µg/kg, country: USA⁸³³, *from People's Republic of China, **ncac

incidence: 69/292* **, conc. range: 5.5–600.8 µg/kg, country: UK⁸³⁸, *and from different countries, **includes sweetcorn, corn on the cob, baby food, corn oil, corn flour, polenta, maize meal, maize pasta, maize based snacks and tortillas

incidence: 16/52*, conc. range: ≤900 µg/kg, country: Iran⁸⁶⁷, *for food and feed
 see also barley, cereal products, cereals, flour (maize), food (baby), Incaparina, meal (maize), pancake, popcorn, rice, snacks

FUMONISIN B₁, HYDROLYZED (HBF)
 incidence: 1/1* **, conc.: pr, country: USA³⁶⁹, *yellow, **canned
 see also chips (tortilla), masa, tortillas

3-*epi*-FUMONISIN B₃

incidence: 10/52*, conc. range: ≤191 µg/kg, country: Iran⁸⁶⁷, *for food and feed

FUMONISIN

incidence: 16*/27, conc. range: <1000–12,000 µg/kg, country: UK²²⁰, *includes maize and maize products

FUMONISINS (B₁, B₂)

incidence: 21/21*, conc. range: 14–1036 µg/kg, country: Germany³⁷⁸, *from Argentina
 incidence: 199/209*, conc. range: 12–11,661 µg/kg, Ø conc.: 395.9 µg/kg, country: Croatia⁴⁶⁰, *ncac

incidence: 66/99* ** ***, conc. range: 50–4000 µg/kg, country: Switzerland⁵⁰², *imported, **and products, ***ncac
 see also beer, flour (maize), food (infant), meal (maize), noodles, rice, spice powder, spices (chilli pickle), spices (curry), spices (curry paste), spices (curry powder), spices (tandoori)

FUMONISINS (B₁, B₂, B₃)

incidence: 12/12, conc. range: <100–3500 µg/kg, country: USA³⁷⁰

incidence: 1/20*, conc.: 11 µg/kg, country: UK³⁸³, *sweetcorn

see also bran (maize), cereals (breakfast), flour, flour (maize), germ (maize), grains, grits (maize), maize-based thickeners, popcorn, snacks, tortillas

FUMONISINS (TOTAL)

incidence: 134/139* **, conc. range: 30–100 µg/kg (15 sa), 101–500 µg/kg (40 sa), 501–1000 µg/kg (30 sa), 1001–5000 µg/kg (48 sa), 5007 µg/kg (1 sa), country: UK⁷⁴⁵, *from different countries, **ncac

FUMONISINS

incidence: 4/4* **, conc. range: 37–1400 µg/kg, Ø conc.: 411 µg/kg, country: Germany⁵⁶², *from Italy, USA, unknown origin, **o

incidence: 147/150*, conc. range: 440–22,600 µg/kg, country: Brazil⁷⁸¹, *ncac

incidence: 36/36*, conc. range: 870 µg/kg (1 sa), 1000–3000 µg/kg (1 sa), 3100–5000 µg/kg (6 sa), 5100–7000 µg/kg (6 sa), 7100–10,000 µg/kg (6 sa), 10,100–13,000 µg/kg (5 sa), 13,100–15,000 µg/kg (3 sa), 15,100–18,000 µg/kg (5 sa), 18,100–20,000 µg/kg (1 sa), 20,100–23,000 µg/kg (1 sa), 23,700 µg/kg (1 sa), country: Brazil⁷⁸², *ncac

incidence: 28/33*, conc. range: 20–1270 µg/kg, Ø conc.: 247 µg/kg, country: Botswana⁸¹³, *and meal

see also beer, bread, cereal (infant), chips (tortilla), flakes (corn), flour (maize), grits (maize), maize pops cereal, maize products, maize starch, maize (infant cream corn), meal (maize), muffin mix, pasta, popcorn, porridge, products, sorghum, tortillas

FUSAPROLIFERIN

incidence: 9/22* **, conc. range: 600–500,000 µg/kg, Ø conc.: 72,222 µg/kg, country: Italy⁵¹³, *vm, **ncac

FUSARENON X

incidence: 1/189*, conc.: 3.3 µg/kg, country: Saudi Arabia³²⁵, *ncac
 incidence: 9/93*, conc. range: 12–419 µg/kg, Ø conc.: 101.1 µg/kg, country: Italy⁴⁸¹, *ncac
 incidence: 5/15*, conc. range: 15–72 µg/kg, Ø conc.: 27 µg/kg, country: Korea⁵¹⁴, *ncac
 incidence: 2/5* ** ***, conc. range: 600–1800 µg/kg, Ø conc.: 1200 µg/kg, country: Italy⁵⁶³, *from Poland, **Fdk, ***ncac
 see also cereals (breakfast), flour (maize), food, oat products, spices (curry), spices (garlic)

FUSARIN C

incidence: 1/78*, conc.: 76.8 µg/kg, country: Egypt⁴⁴⁴, *yellow, white, popcorn
 incidence: 2/2*, conc. range: 20–280 µg/kg, Ø conc.: 150 µg/kg, country: South Africa⁴⁴⁹, *ncac

HT–2 TOXIN

incidence: 2/189*, conc. range: 3.1–6.5 µg/kg, Ø conc.: 4.8 µg/kg, country: Saudi Arabia³²⁵, *ncac
 incidence: 3*/162**, conc. range: 53,000–645,000 µg/kg, Ø conc.: 294,333 µg/kg, country: Poland⁴³⁷, *hdk, **ncac
 incidence: 1/16*, conc.: 230 µg/kg, country: Canada⁵²¹, *ncac
 see also barley, bran (oat), bran (wheat), bread, cereal (baby), cereals, cereals (breakfast), flakes (oat), flour (maize), flour (wheat), food, food (baby), germ (wheat), grits (maize), groats (oat), noodles, nuts (hazelnut), oat products, oats, products, pumpkin seeds, rye, spices (chilli powder), spices (curry), sunflower seeds, wheat

MONILIFORMIN

incidence: 59/100, conc. range: tr–774 µg/kg, country: USA⁴⁵³
 incidence: 6/12*, conc. range: 450–8530 µg/kg, Ø conc.: 3835 µg/kg, country: Poland⁴⁶³, *ncac

incidence: 15/29*, conc. range: >100–280 µg/kg, country: New Zealand⁴⁶⁸, *ncac
 incidence: 11/11* **, conc. range: 16,800–425,000 µg/kg, country: Austria⁴⁸⁷, *Fdk, **ncac
 incidence: 1/40* **, conc.: 200,000 µg/kg, country: Italy⁴⁹⁴, *s, **ncac
 incidence: 8/14* **, conc. range: 17,000–425,000 µg/kg, Ø conc.: 133,750 µg/kg, country: Poland⁴⁹⁵, *Fdk, **ncac
 incidence: 31/99* ** ***, conc. range: ≤1350 µg/kg, country: Switzerland⁵⁰², *imported, **and products, ***ncac
 incidence: 2/12*, conc. range: 60–200 µg/kg, Ø conc.: 130 µg/kg, country: Canada⁵²³, *ncac
 incidence: 4/4* **, conc. range: 50–90 µg/kg, Ø conc.: 72.5 µg/kg, country: UK⁵²⁴ *from USA, unknown origin, **retail
 incidence: 20/20* **, conc. range: 4200–399,300 µg/kg, Ø conc.: 97,710 µg/kg, country: Poland⁵²⁴, *Fdk, **ncac
 incidence: 1/1*, conc.: 16,000 µg/kg, country: South Africa⁵⁴¹, *vm
 incidence: 1/1*, conc.: 25,000 µg/kg, country: South Africa⁵⁴¹, *Fdk
 incidence: 23/23*, conc. range: 24–522 µg/kg, Ø conc.: 141 µg/kg, country: UK⁷⁴³, *ncac
 incidence: 31/249, conc. range: ≤2040 µg/kg, country: South Africa⁷⁹⁸
 incidence: 2/36*, conc. range: 320–390 µg/kg, Ø conc.: 355 µg/kg, country: South Africa⁷⁹⁹, *exported to Taiwan
 see also barley, corn on the cob, flakes (corn), flour (maize), foodstuff, grits (maize), maize–based thickeners, meal (maize), oats, popcorn, rye, snacks, triticale, wheat

NEOSOLANOL

incidence: 1/189*, conc.: 6.3 µg/kg, country: Saudi Arabia³²⁵, *ncac
 incidence: 2*/162**, conc. range: 19,400–27,200 µg/kg, Ø conc.: 23,300 µg/kg, country: Poland⁴³⁷, *hdk, **ncac
 see also cereals (breakfast), oat products, sorghum, spices (curry), spices (ginger), wheat

NIVALENOL

incidence: 12/34, conc. range: 39–153 µg/kg, Ø conc.: 86 µg/kg, country: China²⁸⁵

incidence: 2/20, conc. range: 10–107 µg/kg, Ø conc.: 59 µg/kg, country: China²⁸⁵

incidence: 1/2, conc.: 10 µg/kg, country: China³⁴²

incidence: 2/16, conc. range: 49–169 µg/kg, Ø conc.: 109 µg/kg, country: Indonesia⁴²⁶

incidence: 1/7, conc.: 1900 µg/kg, country: Poland⁴³⁸, *hdk, **ncac

incidence: 24/24* **, conc. range: 54–2760 µg/kg, Ø conc.: 757 µg/kg, country: China⁴⁵⁶, *and meal, **high EC area

incidence: 16/46, conc. range: 6–366 µg/kg, Ø conc.: 77 µg/kg, country: Korea⁴⁶²

incidence: 14/93*, conc. range: 7–240 µg/kg, Ø conc.: 67.3 µg/kg, country: Italy⁴⁸¹, *ncac

incidence: ?/27*, conc. range: 4–53 µg/kg, Ø conc.: 11 µg/kg, country: China⁴⁹⁷, *high EC area

incidence: 8/10*, conc. range: 17–68 µg/kg, Ø conc.: 34.3 µg/kg, country: China⁴⁹⁸, *high EC area

incidence: 5/5*, conc. range: 17–34 µg/kg, Ø conc.: 22 µg/kg, country: China⁴⁹⁸, *medial EC area

incidence: 8/10*, conc. range: 8–68 µg/kg, Ø conc.: 19.8 µg/kg, country: China⁴⁹⁸, *low EC area

incidence: 1/3, conc.: 624 µg/kg, country: Korea⁵⁰⁹

incidence: 8/15*, conc. range: 26–332 µg/kg, Ø conc.: 168 µg/kg, country: Korea⁵¹⁴, *ncac

incidence: 6/41* **, conc. range: 130–680 µg/kg, country: Canada⁵²¹, *includes Ontario, **ncac

incidence: 32/36*, conc. range: 6–15,600 µg/kg, Ø conc.: 1700 µg/kg, country: Korea⁵²⁷, *vm

incidence: 6/35*, conc. range: 20–200 µg/kg, Ø conc.: 80 µg/kg, country: Korea⁵²⁷, *vh

incidence: 7/45*, Ø conc.: 766 µg/kg, country: Japan⁵³⁰, *ncac

incidence: 1/1* **, conc.: 12 µg/kg, country: Japan⁵³⁷, *from Canada, **ncac

incidence: 6/9* **, Ø conc.: 892 µg/kg, country: Japan⁵³⁸, *from Nepal, **ncac

incidence: 2/5* ** ***, conc. range: 33,200–42,500 µg/kg, Ø conc.: 37,850 µg/kg, country: Italy⁵⁶³, *from Poland, **Fdk, ***ncac

incidence: 97/249, conc. range: ≤370 µg/kg, country: South Africa⁷⁹⁸

incidence: 2/32*, conc. range: 120 µg/kg, Ø conc.: 120 µg/kg, country: South Africa⁷⁹⁹,

*exported to Taiwan

incidence: 7/50* ** ***, conc. range: 18–102 µg/kg, Ø conc.: 43 µg/kg, country: Japan⁸³²,

*from Philippines, **for seeds, food and feed, ***and ground

incidence: 1/292* **, conc.: 105.1 µg/kg, country: UK⁸³⁸, *and from different

countries, **includes sweetcorn, corn on the cob, baby food, corn oil, corn flour, polenta, maize meal, maize pasta, maize based snacks and tortillas

incidence: 7/12*, conc. range: 6.5–50.7 µg/kg, Ø conc.: 29 µg/kg, country: Japan⁸⁴³,

*imported

see also barley, beer, biscuits, bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, germ (wheat), grits (maize), grits (wheat), Job's-tears, malt (barley), meal (millet), millet, noodles, oat products, oats, rice, rye, snacks, sorghum, soybeans, spices (chilli sauce), spices (curry), spices (curry paste), spices (curry powder), spices (garlic), spices (ginger), spices (tandoori), wheat

4–ACETYLNIVALENOL

incidence: 5/46, conc. range: 23–139 µg/kg, Ø conc.: 55 µg/kg, country: Korea⁴⁶²

incidence: 14/36*, conc. range: 2–2200 µg/kg, Ø conc.: 400 µg/kg, country: Korea⁵²⁷, *vm

incidence: 3/35*, conc. range: 4–30 µg/kg, Ø conc.: 10 µg/kg, country: Korea⁵²⁷, *vh

see also barley, wheat

4,15–DIACETYLNIVALENOL

incidence: 7/46, conc. range: 17–51 µg/kg, Ø conc.: 29 µg/kg, country: Korea⁴⁶²

see also barley

OCHRATOXIN A

incidence: 19/49*, conc. range: 0.9–2.54 µg/kg, Ø conc.: 1.47 µg/kg, country: Croatia²⁴⁰, *ncac

incidence: 7/23, conc. range: 60–870 µg/kg, country: India²⁷²

incidence: 2/36*, conc. range: 128–206 µg/kg, Ø conc.: 167 µg/kg, country: Brazil³²³, *ncac
 incidence: 46/209*, conc. range: 0.26–614 µg/kg, Ø conc.: 52.9 µg/kg, country: Croatia⁴⁶⁰, *ncac
 incidence: 10/10, conc. range: 0.09–0.86 µg/kg, Ø conc.: 0.36 µg/kg, country: Côte d'Ivoire⁵⁵⁷
 incidence: 3/40*, conc. range: 1.7–82 µg/kg, country: Germany⁵⁷⁷, *ncac
 incidence: 3/48, conc. range: 14–90 µg/kg, Ø conc.: 40.7 µg/kg, country: Yugoslavia⁶²⁹
 incidence: 5/39*, conc. range: 1–5 µg/kg (4 sa), 11.2 µg/kg (1 sa), country: UK⁶³⁶, *and from different countries?
 incidence: 1/7, conc.: 0.1 µg/kg, country: Germany⁶⁴⁰
 incidence: 41/41, conc. range: 3–1738 µg/kg, country: Côte d'Ivoire⁶⁴²
 incidence: 6/22*, conc. range: 25–35 µg/kg, country: Bulgaria⁶⁵³, *BEN area
 incidence: 2/22*, conc. range: 10–25 µg/kg, country: Bulgaria⁶⁵³, *con
 incidence: 17/51*, conc. range: 0.02–40 µg/kg, country: Croatia⁶⁵⁵, *ncac
 incidence: 3/21, conc. range: 30–50 µg/kg, Ø conc.: 36.7 µg/kg, country: India⁶⁵⁶
 incidence: 19/31, conc. range: ≤3.347 µg/kg, Ø conc.: 0.046 µg/kg, country: Germany⁶⁹⁰
 incidence: 2/27*, conc. range: 12.8–14.7 µg/kg, Ø conc.: 13.7 µg/kg, country: Egypt⁷²¹, *white
 incidence: 19/36*, conc. range: 16.2–80 µg/kg, Ø conc.: 25.1 µg/kg, country: Egypt⁷²¹, *yellow
 incidence: 14/139* **, conc. range: 0.1–1 µg/kg (12 sa), 1.1–4 µg/kg (2 sa, with a maximum of 1.5 µg/kg), country: UK⁷⁴⁵, *from different countries, **ncac
 incidence: 2/167* **, conc. range: ≈10 µg/kg, country: Turkey⁷⁸³, *and imported, **ncac
 incidence: 1/22*, conc.: pr, country: India⁷⁸⁴, *ncac
 incidence: 46/209*, conc. range: 0.26–613.7 µg/kg, Ø conc.: 52.9 µg/kg, country: Croatia⁷⁹², *for food and feed
 incidence: 1/283*, conc.: 110–150 µg/kg, country: USA⁸¹¹, *ncac

incidence: 3/293*, conc. range: 83–166 µg/kg, Ø conc.: 123 µg/kg, country: USA⁸¹², *ncac
 incidence: 1/12, conc.: 32 µg/kg, country: Brazil⁸¹⁶, *dried white
 incidence: 5/292* **, conc. range: 0.2–1.7 µg/kg, country: UK⁸³⁸, *and from different countries, **includes sweetcorn, corn on the cob, baby food, corn oil, corn flour, polenta, maize meal, maize pasta, maize based snacks and tortillas
 incidence: 8/20, conc. range: ≤7.22 µg/kg, Ø conc.: 1.08 µg/kg, country: Morocco⁸⁶⁶
 see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork,

pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

OCHRATOXIN B

incidence: 3/23, conc. range: 30–420 µg/kg, Ø conc.: 170 µg/kg, country: India²⁷²
incidence: 2/293*, conc. range: tr, country: USA⁸¹², *ncac

PENICILLIC ACID

incidence: 7/20* **, conc. range: 5–231 µg/kg, Ø conc. 59 µg/kg, country: USA⁷⁵², *mold damaged, **ncac
see also beans, cassava, cheese

DIACETOXYSCIRPENOL

incidence: 1/189*, conc.: 3.1 µg/kg, country: Saudi Arabia³²⁵, *ncac
incidence: 4/78*, conc. range: 98.4–128.4 µg/kg, country: Egypt⁴⁴⁴, *yellow, white, popcorn
incidence: 5/13*, conc. range: 30–900 µg/kg, Ø conc.: 388 µg/kg, country: New Zealand⁴⁵⁷, *ncac
incidence: 1/2, conc.: 130 µg/kg, country: New Zealand⁴⁵⁷
see also beans, beer, bran (wheat), cereals, nuts (peanut), oats, products, rice, soybeans, spices (chilli powder), spices (curry), wheat

STERIGMATOCYSTIN

incidence: 10/167* **, conc. range: 20 µg/kg, country: Turkey⁷⁸³, *and imported, **ncac
see also barley, cassava, cheese, coffee, nuts (almond), nuts (pecan), nuts (pistachio), oil seed rape, rice, spices, spices (fennel), spices (pepper), wheat

TENUAZONIC ACID

incidence: 4/15*, conc. range: ≤253.6 µg/kg, country: Egypt²⁹¹, *yellow
see also bran, cassava, fruits (mandarin fruit), olives, pulp (tomato), ragi, rice, sorghum, spices (pepper), sunflower seeds, tomato purée, tomatoes, wheat

TRICHOHECENES

incidence: 25/34, conc. range: 13–1780 µg/kg, Ø conc.: 517 µg/kg, country: China²⁸⁵
incidence: 4/20, conc. range: 10–107 µg/kg, Ø conc.: 55 µg/kg, country: China²⁸⁵

T-2 TOXIN

incidence: 1/189*, conc.: 6.3 µg/kg, country: Saudi Arabia³²⁵, *ncac
incidence: 3*/162**, conc. range: 47,000–992,000 µg/kg, Ø conc.: 411,333 µg/kg, country: Poland⁴³⁷, *hdk, **ncac
incidence: 4/78*, conc. range: 72.8–130.4 µg/kg, country: Egypt⁴⁴⁴, *yellow, white, popcorn
incidence: 9/13*, conc. range: 5–200 µg/kg, Ø conc.: 88 µg/kg, country: New Zealand⁴⁵⁷, *ncac
incidence: 6/86, conc. range: 550–2920 µg/kg, country: India⁵²⁶
incidence: 115/124*, conc. range: 78–650 µg/kg, country: Taiwan⁵⁴⁷, *from South Africa, USA
see also barley, beans, beer, bran (oat), bran (wheat), bread, cereals, cereals (breakfast), flakes (oat), flour, flour (maize), flour (wheat), food, grits (maize), nuts (hazelnut), nuts (peanut), oat products, oats, rice, rye, sorghum, spices (curry), spices (ginger), spices (tandoori), sunflower seeds, wheat

T-2 TETRAOL

incidence: 1*/162**, conc.: 36,200 µg/kg, country: Poland⁴³⁷, *hdk, **ncac
see also barley, bran (wheat), soybeans, wheat

T-2 TRIOL

incidence: 2*/162**, conc. range: 9700–14,500 µg/kg, Ø conc.: 12,100 µg/kg, country: Poland⁴³⁷, *hdk, **ncac
see also oat products, wheat

ZEARALENONE

incidence: 23/81* **, conc. range: 13–475 µg/kg, Ø conc.: 96.7 µg/kg, country: Canada²⁶, *domestic, **includes maize and maize products
 incidence: 1/61* **, conc.: 200 µg/kg, country: Canada²⁶, *imported, **includes maize and maize products
 incidence: 65/214*, conc. range: 36.8–719 µg/kg, Ø conc.: 155 µg/kg, country: Brazil²⁰⁵, *ncac
 incidence: 2/15*, conc. range: 4–140 µg/kg, Ø conc.: 48.8 µg/kg, country: Italy²²⁷, *ncac
 incidence: 30/30*, conc. range: 3000–7000 µg/kg, Ø conc.: 5480 µg/kg, country: Argentina²³⁶, *ncac
 incidence: 41/49*, conc. range: 0.43–39.12 µg/kg, Ø conc.: 3.84 µg/kg, country: Croatia²⁴⁰, *ncac
 incidence: 6/9*, conc. range: <50–50 µg/kg, country: Cameroon²⁴¹, *ncac
 incidence: 9/9*, conc. range: <50–1180 µg/kg, country: Cameroon²⁴¹, *ncac
 incidence: 19/34, conc. range: 11–170 µg/kg, Ø conc.: 63 µg/kg, country: China²⁸⁵
 incidence: 1/20, conc.: 28 µg/kg, country: China²⁸⁵
 incidence: 1/36*, conc.: 4640 µg/kg, country: Brazil³²³, *ncac
 incidence: 30/380*, conc. range: <54.2 µg/kg (1 sa), 54.2–100 µg/kg (4 sa), 100–500 µg/kg (23 sa), >500 µg/kg (2 sa), country: Brazil³²⁷, *ncac
 incidence: 2/2, conc. range: 46–745 µg/kg, Ø conc.: 395.5 µg/kg, country: China³⁴²
 incidence: 7/8, conc. range: 5–20 µg/kg, Ø conc.: 12 µg/kg, country: USA⁴²⁴
 incidence: 2/16, conc. range: 11–12 µg/kg, Ø conc.: 11.5 µg/kg, country: Indonesia⁴²⁶
 incidence: 3/3, conc. range: 900–9400 µg/kg, Ø conc.: 4800 µg/kg, country: USA⁴²⁸
 incidence: 7/78*, conc. range: 22.6–80.4 µg/kg, country: Egypt⁴⁴⁴, *yellow, white, popcorn
 incidence: 6/26, conc. range: 200–500 µg/kg, country: USA⁴⁴⁵
 incidence: 6/6*, conc. range: 620–2000 µg/kg, Ø conc.: 1115 µg/kg, country: Portugal⁴⁵¹, *ncac

incidence: 10/13*, conc. range: 200–16,000 µg/kg, Ø conc.: 2640 µg/kg, country: New Zealand⁴⁵⁷, *ncac
 incidence: 2/2, conc. range: 40–800 µg/kg, Ø conc.: 420 µg/kg, country: New Zealand⁴⁵⁷
 incidence: 8/46, conc. range: 4–388 µg/kg, Ø conc.: 151 µg/kg, country: Korea⁴⁶²
 incidence: 69/91*, conc. range: 10–500 µg/kg, country: New Zealand⁴⁶⁸, *ncac
 incidence: 16/27*, conc. range: 14–169 µg/kg, Ø conc.: 44 µg/kg, country: China⁴⁹⁷, *high EC area
 incidence: 1/20*, conc.: 39 µg/kg, country: China⁴⁹⁷, *low EC area
 incidence: 1/10*, conc.: 7 µg/kg, country: China⁴⁹⁸, *high EC area
 incidence: 17/99* ** ***, conc. range: 10–100 µg/kg, Ø conc.: 30 µg/kg, country: Switzerland⁵⁰², *imported, **and products, ***ncac
 incidence: 4/18*, conc. range: 3.4–5.8 µg/kg, Ø conc.: 5 µg/kg, country: Korea⁵⁰⁶, *ncac
 incidence: 1/15*, conc.: 71 µg/kg, country: Korea⁵¹⁴, *ncac
 incidence: 108/203*, conc. range: 5–647 µg/kg, country: Canada⁵²¹, *ncac
 incidence: 9/86, conc. range: 760–1500 µg/kg, country: India⁵²⁶
 incidence: 32/36*, conc. range: 2–7300 µg/kg, Ø conc.: 600 µg/kg, country: Korea⁵²⁷, *vm
 incidence: 7/35*, conc. range: 2–300 µg/kg, Ø conc.: 70 µg/kg, country: Korea⁵²⁷, *vh
 incidence: 26/45*, Ø conc.: 165 µg/kg, country: Japan⁵³⁰, *ncac
 incidence: 1/1* **, conc.: 33 µg/kg, country: Japan⁵³⁷, *from Canada, **ncac
 incidence: 15/20* **, Ø conc.: 6 µg/kg, country: Japan⁵³⁸, *from Argentina, **ncac
 incidence: 1/3* **, conc.: 35 µg/kg, country: Japan⁵³⁸, *from Italy, **ncac
 incidence: 5/9* **, Ø conc.: 819 µg/kg, country: Japan⁵³⁸, *from Nepal, **ncac
 incidence: 4/12* **, Ø conc.: 10 µg/kg, country: Japan⁵³⁸, *from Yemen, **ncac
 incidence: 1/1*, conc.: 4000 µg/kg, country: South Africa⁵⁴¹, *vm
 incidence: 1/1*, conc.: 8000 µg/kg, country: South Africa⁵⁴¹, *Fdk

incidence: 73/82*, conc. range: 49–303 µg/kg, country: Taiwan⁵⁴⁷, *from South Africa, Thailand, USA

incidence: 10/10, conc. range: 50 µg/kg, Ø conc.: 50 µg/kg, country: Côte d'Ivoire⁵⁵⁷

incidence: 2/4* **, conc. range: 49–92 µg/kg, Ø conc.: 70.5 µg/kg, country: Germany⁵⁶²,

*from Italy, USA, unknown origin, **o

incidence: 5/5* ** ***, conc. range:

700–10,000 µg/kg, Ø conc.: 5400 µg/kg, country: Italy⁵⁶³, *from Poland, **Fdk,

***ncac

incidence: 1/116* **, conc.: <5000 µg/kg, country: Spain⁵⁶⁵, *indian, white and yellow,

**ncac

incidence: 4/4*, conc. range: 7–2910 µg/kg, Ø conc.: 830 µg/kg, country: USA⁵⁶⁸, *ncac

incidence: 135/139* **, conc. range: 4–20 µg/kg (13 sa), 21–100 µg/kg (63 sa), 101–500 µg/kg (58 sa), 584 µg/kg (1 sa), country:

UK⁷⁴⁵, *from different countries, **ncac

incidence: 9/150*, conc. range: 40–350 µg/kg, Ø conc.: 210 µg/kg, country: Argentina⁷⁶²,

*ncac

incidence: 1/8*, conc.: 400 µg/kg, country:

South Africa⁷⁶³, *from Malawi

incidence: 1/1*, conc.: 40 µg/kg, country:

South Africa⁷⁶³, *from Kenya

incidence: 2/9*, conc. range: 40–80 µg/kg,

Ø conc.: 60 µg/kg, country: South Africa⁷⁶³,

*from Tanzania

incidence: 2/22*, conc. range: pr, country:

India⁷⁸⁴, *ncac

incidence: 6/76*, conc. range: 100–200 µg/kg (2 sa), >200 µg/kg (4 sa), country:

Uruguay⁷⁸⁷, *ncac

incidence: 676/2271*, conc. range: ≤2000

µg/kg, country: Argentina⁷⁹⁰, *ncac

incidence: ?/20, conc. range: 100–800 µg/kg,

country: Zambia⁷⁹⁷

incidence: ?/17*, conc. range: 100–800 µg/kg,

country: Zambia⁷⁹⁷, *for brewing

incidence: 1/32*, conc.: 25 µg/kg, country:

South Africa⁷⁹⁹, *exported to Taiwan

incidence: 16/328*, conc. range: 260–9830

µg/kg, Ø conc.: 1910 µg/kg, country:

Brazil⁸⁰¹, *ncac

incidence: 2/283*, conc. range: nc, country:

USA⁸¹¹, *ncac

incidence: 5/293*, conc. range: 450–750 µg/kg, Ø conc.: 590 µg/kg, country: USA⁸¹², *ncac

incidence: 1/20*, conc.: 40 µg/kg, country: Botswana⁸¹³, *and meal

incidence: 19/319*, conc. range: 38–204 µg/kg, Ø conc.: 117 µg/kg, country: USA⁸²⁰,

*ncac

incidence: 4/57* **, conc. range: 97–10,400 µg/kg, Ø conc.: 2100 µg/kg, country: USA⁸²⁰,

*damaged, **ncac

incidence: 2/50* ** ***, conc. range: 59–505 µg/kg, Ø conc.: 282 µg/kg, country: Japan⁸³²,

*from Philippines, **for seeds, food and feed, ***and ground

incidence: 1/27* ** ***, conc.: 923 µg/kg, country: Japan⁸³², *from Thailand, **for

seeds, food and feed, ***and ground

incidence: 47/292* **, conc. range: 11–121.2 µg/kg, country: UK⁸³⁸, *and from different

countries, **includes sweetcorn, corn on the cob, baby food, corn oil, corn flour, polenta, maize meal, maize pasta, maize based snacks and tortillas

incidence: 3/20, conc. range: ≤17 µg/kg, Ø

conc.: 14 µg/kg, country: Morocco⁸⁶⁶

see also acha, amaranth, barley, beans,

beefburger, beer, biscuits, bran (oat), bran

(wheat), bread, cake/muffin mixes, cereal

(baby), cereals, cereals (breakfast), cheese,

crackers, flakes (corn), flour, flour (barley),

flour (maize), flour (wheat), food, food

(infant), foodstuff, fruits, germ (wheat), grits

(maize), Job's-tears, malt (barley), malt

(maize), meal (barley), meal (maize), meal

(millet), meal (rye), meal (wheat), meat,

meat (luncheon), milk, milk powder, nuts

(almond), nuts (hazelnut), nuts (peanut),

nuts (walnut), oats, oil, oil seeds, pig serum,

popcorn, products, pumpkin seeds, rice, rye,

sausages, sesame seeds, snacks, sorghum,

soybeans, spice powder, spices (chilli), spices

(chilli powder), spices (chilli sauce), spices

(coriander), spices (curry), spices (curry

paste), spices (curry powder), spices (fennel),

spices (garlic pickle), spices (pepper),

sunflower seeds, vegetables, wheat

Maize and beans may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 2/?; conc.: tr–15 µg/kg, country: Kenya⁷⁴⁶

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices

(mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 1/?; conc.: tr–5 µg/kg, country: Kenya⁷⁴⁶

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

Maize bran

see Bran (maize)

Maize chips

see Chips (maize)

Maize dough may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 2/2*, conc. range: 19.6–63.9 µg/kg, country: Denmark²⁷⁸, *from Ghana

incidence: 2/2, conc. range: 0.5–293 µg/kg,
country: Ghana²⁸⁰

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar,

sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 2/2*, conc. range: 2.9–5.6 µg/kg,

country: Denmark²⁷⁸, *from Ghana

incidence: 2/2, conc. range: 0.1–19.8 µg/kg,
country: Ghana²⁸⁰

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 2/2*, conc. range: 72.8–106.5

µg/kg, country: Denmark²⁷⁸, *from Ghana

incidence: 2*/2, conc. range: 0.4–102 µg/kg,
country: Ghana²⁸⁰, *not all sa contaminated
at all collection dates

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize

products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXIN G₂

incidence: 2/2*, conc. range: 3.9–7.8 µg/kg, country: Denmark²⁷⁸, *from Ghana

incidence: 2*/2, conc. range: 0.1–12.3 µg/kg, country: Ghana²⁸⁰, *not all sa contaminated at all collection dates

see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), cocoa, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, maize, milk (human breast), nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), paste (soybean), popcorn, raisins, rice, sesame seeds, shoyu, soybeans, spices (cardamom), spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine

AFLATOXINS

incidence: 19/20, conc. range: nd–249 µg/kg, country: Ghana²⁸⁰

see also beans, candy (peanut), candy (pistachio), cassava, figs, flour (maize), grain mixtures, grains, maize, maize products,

melon seeds, millet, nuts, nuts (almond), nuts (brazil), nuts (peanut), nuts (peanut butter), nuts (peanut mix), nuts (peanut products), nuts (pecan), nuts (pistachio), nuts (walnut), nuts and seeds, paste (peanut), paste (pipian), peas, rice, sauce (leaf), snacks, sorghum, spices, spices (chilli), spices (cumin), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper), spices (tandoori), teff, tubers, wheat

CITRININ

incidence: 2*/2, conc. range: 5–1082 µg/kg, country: Ghana²⁸⁰, *not all sa contaminated at all fermentation steps

incidence: 20/20, conc. range: nd–585 µg/kg, country: Ghana²⁸⁰

see also angkak (red mold rice), barley, cereals, cheese, food, food colorant, fruits (apple), maize, meal (copra), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), oil seed rape, olives, rice, spices, spices (cardamom), spices (coriander), spices (cumin), spices (fennel), spices (pepper), spices (turmeric), wheat

OCHRATOXIN A

incidence: 5/20, conc. range: nd–6.4 µg/kg, country: Ghana²⁸⁰

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant),

juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Maize fiber may contain the following mycotoxins:

FUMONISIN B₁

incidence: 2/2, conc. range: 60–130 µg/kg, Ø conc.: 95 µg/kg, country: USA⁴¹⁰

see also arepas, asparagus, barley, batter, beans, beer, bran (maize), bread, cake (rice), cereals, cereals (breakfast), chamomile, chips (maize), chips (tortilla), flakes (corn), flour (maize), food, food (baby), foodstuff, grits (maize), Incaparina, leaves, maize, maize muffin, maize products, maize silk, maize starch, masa, meal (maize), meal (sorghum), milk, muffin mix, nuts (peanut), pancake, popcorn,

rapoko, rice, snacks, sorghum, soybeans, syrup (sorghum), tea, tortillas, wheat

FUMONISIN B₂

incidence: 1/2, conc.: 30 µg/kg, country: USA⁴¹⁰

see also arepas, asparagus, barley, batter, beer, bran (maize), cereals, cereals (breakfast), chips (maize), chips (tortilla), flakes (corn), flour (maize), food (baby), foodstuff, grits (maize), Incaparina, maize, maize starch, masa, meal (maize), muffin mix, pancake, popcorn, rice, snacks, tortillas, wheat

Maize flour

see Flour (maize)

Maize germ

see Germ (maize)

Maize grits

see Grits (maize)

Maize malt

see Malt (maize)

Maize meal

see Meal (maize)

Maize meal and semolina

see Meal (maize)

Maize muffin may contain the following mycotoxins:

FUMONISIN B₁

incidence: 1/1*, conc.: 300 µg/kg, country: USA³⁵⁶, *unprocessed

incidence: 1/1*, conc.: 400 µg/kg, country: USA³⁵⁶, *processed

see also arepas, asparagus, barley, batter, beans, beer, bran (maize), bread, cake (rice), cereals, cereals (breakfast), chamomile, chips (maize), chips (tortilla), flakes (corn), flour (maize), food, food (baby), foodstuff, grits (maize), Incaparina, leaves, maize, maize fiber, maize products, maize silk, maize starch, masa, meal (maize), meal (sorghum), milk, muffin mix, nuts (peanut), pancake,

popcorn, rapoko, rice, snacks, sorghum, soybeans, syrup (sorghum), tea, tortillas, wheat

Maize pops cereal may contain the following mycotoxins:

FUMONISINS

incidence: 1/1, conc.: 200 µg/kg, country: USA³⁵⁷

see also beer, bread, cereal (infant), chips (tortilla), flakes (corn), flour (maize), grits (maize), maize, maize products, maize starch, maize (infant cream corn), meal (maize), muffin mix, pasta, popcorn, porridge, products, sorghum, tortillas

Maize products may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 8/8*, conc. range: 1–117 µg/kg, Ø conc.: 40 µg/kg, country: Japan³⁰⁰, *from Philippines

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts

(almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 6/8*, conc. range: 2–10 µg/kg, Ø conc.: 5 µg/kg, country: Japan³⁰⁰, *from Philippines

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices

(coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 1/8*, conc.: 4 µg/kg, country: Japan³⁰⁰, *from Philippines

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXINS

incidence: 15/41, conc.: >30–≤400 µg/kg, country: Philippines³²

incidence: 19/139*, conc. range: ≤53 µg/kg, Ø conc.: 19.6 µg/kg, country: USA¹⁹⁷, *milled

incidence: 4/11, conc. range: 0.1–5 µg/kg (1 sa), 11–20 µg/kg (1 sa), 21–35 µg/kg (1 sa), >50 µg/kg (1 sa), country: Malaysia³⁹¹

see also beans, candy (peanut), candy (pistachio), cassava, figs, flour (maize), grain mixtures, grains, maize, maize dough, melon seeds, millet, nuts, nuts (almond), nuts (brazil), nuts (peanut), nuts (peanut butter), nuts (peanut mix), nuts (peanut products),

nuts (pecan), nuts (pistachio), nuts (walnut), nuts and seeds, paste (peanut), paste (pipian), peas, rice, sauce (leaf), snacks, sorghum, spices, spices (chilli), spices (cumin), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper), spices (tandoori), teff, tubers, wheat

FUMONISIN B₁

incidence: 2/5, conc. range: 18.2–24 µg/kg, Ø conc.: 21.1 µg/kg, country: Korea³⁷⁵

see also arepas, asparagus, barley, batter, beans, beer, bran (maize), bread, cake (rice), cereals, cereals (breakfast), chamomile, chips (maize), chips (tortilla), flakes (corn), flour (maize), food, food (baby), foodstuff, grits (maize), Incaparina, leaves, maize, maize fiber, maize muffin, maize silk, maize starch, masa, meal (maize), meal (sorghum), milk, muffin mix, nuts (peanut), pancake, popcorn, rapoko, rice, snacks, sorghum, soybeans, syrup (sorghum), tea, tortillas, wheat

FUMONISINS

incidence: 4/7*, conc. range: <9–115 µg/kg, country: Czech Republic⁶⁷⁰, *maize, gluten-free

see also beer, bread, cereal (infant), chips (tortilla), flakes (corn), flour (maize), grits (maize), maize, maize pops cereal, maize starch, maize (infant cream corn), meal (maize), muffin mix, pasta, popcorn, porridge, products, sorghum, tortillas

Maize roti may contain the following mycotoxins:

AFLATOXIN

incidence: 20/30*, conc. range: 1–≤9 µg/kg, country: India¹⁹⁴, *cooked

see also barley, beer, bran (rice), flour (maize), injera, jars, kocho, maize, malt (barley), malt (maize), nuts (peanut), nuts (peanut butter), nuts (pistachio), oil (peanut), paste (pepper, red), rice, spices (pepper)

Maize silk may contain the following mycotoxins:

FUMONISIN B₁

incidence: 9/15, conc. range: 50–150 µg/kg, country: Portugal³¹⁰

see also arepas, asparagus, barley, batter, beans, beer, bran (maize), bread, cake (rice), cereals, cereals (breakfast), chamomile, chips (maize), chips (tortilla), flakes (corn), flour (maize), food, food (baby), foodstuff, grits (maize), Incaparina, leaves, maize, maize fiber, maize muffin, maize products, maize starch, masa, meal (maize), meal (sorghum), milk, muffin mix, nuts (peanut), pancake, popcorn, rapoko, rice, snacks, sorghum, soybeans, syrup (sorghum), tea, tortillas, wheat

Maize snacks

see Snacks

Maize starch may contain the following mycotoxins:

FUMONISIN B₁

incidence: 3/8, conc. range: 22.7–332 µg/kg, Ø conc.: 114 µg/kg, country: Korea³⁷⁵

incidence: 1/6, conc.: 260 µg/kg, country: Turkey³⁸¹

incidence: 1/1, conc.: 283 µg/kg, country: USA⁸³³

see also arepas, asparagus, barley, batter, beans, beer, bran (maize), bread, cake (rice), cereals, cereals (breakfast), chamomile, chips (maize), chips (tortilla), flakes (corn), flour (maize), food, food (baby), foodstuff, grits (maize), Incaparina, leaves, maize, maize fiber, maize muffin, maize products, maize silk, masa, meal (maize), meal (sorghum), milk, muffin mix, nuts (peanut), pancake, popcorn, rapoko, rice, snacks, sorghum, soybeans, syrup (sorghum), tea, tortillas, wheat

FUMONISIN B₂

incidence: 1/1, conc.: 70 µg/kg, country: USA⁸³³

see also arepas, asparagus, barley, batter, beer, bran (maize), cereals, cereals (breakfast), chips (maize), chips (tortilla), flakes (corn), flour (maize), food (baby), foodstuff, grits (maize), Incaparina, maize, maize fiber, masa, meal (maize), muffin mix, pancake, popcorn, rice, snacks, tortillas, wheat

FUMONISINS

incidence: 1/1, conc.: 500 µg/kg, country: USA³⁵⁷

see also beer, bread, cereal (infant), chips (tortilla), flakes (corn), flour (maize), grits (maize), maize, maize pops cereal, maize products, maize (infant cream corn), meal (maize), muffin mix, pasta, popcorn, porridge, products, sorghum, tortillas

Maize teff

see Teff

Maize (infant cream corn) may contain the following mycotoxins:

FUMONISINS

incidence: 1/1, conc.: 200 µg/kg, country: USA³⁵⁷

see also beer, bread, cereal (infant), chips (tortilla), flakes (corn), flour (maize), grits (maize), maize, maize pops cereal, maize products, maize starch, meal (maize), muffin mix, pasta, popcorn, porridge, products, sorghum, tortillas

Maize-based thickeners may contain the following mycotoxins:

FUMONISINS (B₁, B₂, B₃)

incidence: 4/21, conc. range: 14–110 µg/kg, country: UK³⁸³

see also bran (maize), cereals (breakfast), flour, flour (maize), germ (maize), grains, grits (maize), maize, popcorn, snacks, tortillas

MONILIFORMIN

incidence: 1/20, conc.: 29 µg/kg, country: UK⁷⁴³

see also barley, corn on the cob, flakes (corn), flour (maize), foodstuff, grits (maize), maize, meal (maize), oats, popcorn, rye, snacks, triticale, wheat

Malaga

see Wine

Malt may contain the following mycotoxins:

OCHRATOXIN A

incidence: 1/2, conc. range: 1.5–9.99 µg/kg, country: Germany⁶²³

incidence: 13/57, conc. range: 0.1–10.7 µg/kg, country: Germany⁶⁴⁰

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquourice, liquourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard),

spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Malt (barley) may contain the following mycotoxins:

AFLATOXIN

incidence: 9/42*, conc. range: 1–5 µg/kg (7 sa), ≤14 µg/kg (2 sa), country: Czechoslovakia⁵⁵, *probably barley see also barley, beer, bran (rice), flour (maize), injera, jars, kocho, maize, maize roti, malt (maize), nuts (peanut), nuts (peanut butter), nuts (pistachio), oil (peanut), paste (pepper, red), rice, spices (pepper)

DEOXYNIVALENOL

incidence: 13/42, conc. range: 10–20 µg/kg (5 sa), 20–100 µg/kg (8 sa), country: UK⁴⁵⁰
incidence: 4/4, conc. range: 22–5840 µg/kg, Ø conc.: 1595 µg/kg, country: Korea⁴⁶⁹
incidence: 5/5, conc. range: 118–2476 µg/kg, Ø conc.: 782 µg/kg, country: Korea⁴⁷⁰
incidence: 5/13, conc. range: 7–140 µg/kg, country: Canada⁵²¹
incidence: 23/30, conc. range: 20–49 µg/kg (13 sa), 50–99 µg/kg (9 sa), 311 µg/kg (1 sa), country: UK⁷⁷⁴
see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

NIVALENOL

incidence: 4/4, conc. range: 122–436 µg/kg, Ø conc.: 243 µg/kg, country: Korea⁴⁶⁹

incidence: 5/5, conc. range: 631–2675 µg/kg, Ø conc.: 1459 µg/kg, country: Korea⁴⁷⁰
 see also barley, beer, biscuits, bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, germ (wheat), grits (maize), grits (wheat), Job's-tears, maize, meal (millet), millet, noodles, oat products, oats, rice, rye, snacks, sorghum, soybeans, spices (chilli sauce), spices (curry), spices (curry paste), spices (curry powder), spices (garlic), spices (ginger), spices (tandoori), wheat

OCHRATOXIN A

incidence: 11/94, conc. range: 0.03–1.2 µg/kg, country: Germany⁵⁹⁶

incidence: 23/24, conc. range: 0.5–6.6 µg/kg, country: Turkey⁶⁰⁸

incidence: 4/30*, conc. range: 0.3–0.9 µg/kg (2 sa), 2.5–4.9 µg/kg (1 sa), 13.8 µg/kg** (1 sa), country: UK⁷⁷⁴, *unacceptable for malting

incidence: 1/85, conc.: 12 µg/kg, country: Germany⁸⁵²

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), goats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney

(poultry), knäckebröd, lentils, linseeds, liquorice, liquorice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpnickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

OCHRATOXIN B

incidence: 5/94, conc. range: 0.02–0.04 µg/kg, country: Germany⁵⁹⁶

see also barley, bread

ZEARALENONE

incidence: 4/4, conc. range: 2–36 µg/kg, Ø conc.: 19 µg/kg, country: Korea⁴⁶⁹

incidence: 5/5, conc. range: 3–48 µg/kg, Ø conc.: 23 µg/kg, country: Korea⁴⁷⁰

see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits

(maize), Job's-tears, maize, malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Malt (maize) may contain the following mycotoxins:

AFLATOXIN

incidence: 1/13, conc.: 1.71 µg/kg, country: Zambia⁷⁹⁷

see also barley, beer, bran (rice), flour (maize), injera, jars, kocho, maize, maize roti, malt (barley), nuts (peanut), nuts (peanut butter), nuts (pistachio), oil (peanut), paste (pepper, red), rice, spices (pepper)

ZEARALENONE

incidence: ?/13, conc. range: 800–4000 µg/kg, country: Zambia⁷⁹⁷

see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel),

spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Malt (wheat) may contain the following mycotoxins:

DEOXYNIVALENOL

incidence: 4/4, conc. range: 20–49 µg/kg (1 sa), 50–99 µg/kg (1 sa), 100–249 µg/kg (2 sa, with a maximum of 110 µg/kg), country: UK⁷⁷⁴

see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

Malt drink

see Drink (malt)

Malting – barley

see Malt (barley)

Malting – wheat

see Malt (wheat)

Mandarin fruits

see Fruits (mandarin fruit)

Mango

see Fruits (mango)

Mango juice

see Juice (mango)

Marchpane

see Marzipan (almond paste)

Maribo cheese

see Cheese

Marzipan (almond paste) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 1/168, conc.: 39 µg/kg, country: Finland¹³⁸

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices

(cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 1/168, conc.: 7 µg/kg, country: Finland¹³⁸

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

Masa may contain the following mycotoxins:

FUMONISIN B₁

incidence: 3/3, conc. range: 40–380 µg/kg, Ø conc.: 163 µg/kg, country: USA³⁶⁴

incidence: 1/1, conc.: 17 µg/kg, country: USA³⁶⁹

incidence: 8/8, conc. range: 63–689 µg/kg, Ø conc.: 262 µg/kg, country: USA/Mexico⁴⁰⁹

incidence: 2/4, conc. range: 103.9–196.9 µg/kg, Ø conc.: 150.4 µg/kg, country: USA⁸⁶⁹
 see also arepas, asparagus, barley, batter, beans, beer, bran (maize), bread, cake (rice), cereals, cereals (breakfast), chamomile, chips (maize), chips (tortilla), flakes (corn), flour (maize), food, food (baby), foodstuff, grits (maize), Incaparina, leaves, maize, maize fiber, maize muffin, maize products, maize silk, maize starch, meal (maize), meal (sorghum), milk, muffin mix, nuts (peanut), pancake, popcorn, rapoko, rice, snacks, sorghum, soybeans, syrup (sorghum), tea, tortillas, wheat

FUMONISIN B₂

incidence: 2/3, conc. range: 110–1380 µg/kg, Ø conc.: 553 µg/kg, country: Mexico³⁶⁴
 incidence: 1/3, conc.: 60 µg/kg, country: USA³⁶⁴

see also arepas, asparagus, barley, batter, beer, bran (maize), cereals, cereals (breakfast), chips (maize), chips (tortilla), flakes (corn), flour (maize), food (baby), foodstuff, grits (maize), Incaparina, maize, maize fiber, maize starch, meal (maize), muffin mix, pancake, popcorn, rice, snacks, tortillas, wheat

FUMONISIN B₁, HYDROLYZED (HBF₁)

incidence: 1/2, conc.: 100 µg/kg, country: Mexico³⁶⁴

incidence: 1/1, conc.: pr, country: USA³⁶⁹

see also chips (tortilla), maize, tortillas

Mchuzi mix may contain the following mycotoxins:

AFATOXIN B₁

incidence: 1/? , conc.: 25 µg/kg, country: Kenya⁷⁴⁶

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour,

flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

Meal (barley) may contain the following mycotoxins:

DEOXYNIVALENOL

incidence: 1/1* ** ***, conc.: 32 µg/kg, country: Germany⁵⁶², *unknown origin, **whole, ***c

see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

ZEARALENONE

incidence: 1/1* ** ***, conc.: 6.4 µg/kg,
country: Germany⁵⁶², *unknown origin,
whole, *c

see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Meal (buckwheat) may contain the following mycotoxins:

OCHRATOXIN A

incidence: 5/15*, conc. range: ≤12.07 µg/kg,
Ø conc.: 0.965 µg/kg, country: Germany⁶⁹⁰,
*whole

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices

(turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Meal (cereal) may contain the following mycotoxins:

OCHRATOXIN A

incidence: 26/52, conc. range: 0.1–0.19 µg/kg (3 sa), 0.2–0.49 µg/kg (8 sa), 0.5–1.49 µg/kg (13 sa), 1.5–9.99 µg/kg (2 sa), country:

Germany⁶²³

incidence: 3/80*, conc. range: 0.4 µg/kg, Ø

conc.: 0.4 µg/kg, country: Germany⁶⁴⁰,

*wheat, spelt, unripe spelt grain

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle,

pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Meal (copra) may contain the following mycotoxins:

CITRININ

incidence: 4/384, conc. range: 10–60 µg/kg, Ø conc.: 30 µg/kg, country: India⁷⁹⁴

see also angkak (red mold rice), barley, cereals, cheese, food, food colorant, fruits (apple), maize, maize dough, nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), oil seed rape, olives, rice, spices, spices (cardamom), spices (coriander), spices (cumin), spices (fennel), spices (pepper), spices (turmeric), wheat

Meal (cottonseed) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 2/14*, conc. range: 6–20 µg/kg (1 sa), 30 µg/kg (1 sa), country: Guatemala³³,

*ncac

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour,

flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

Meal (egusi) may contain the following mycotoxins:

AFLATOXIN B

incidence: 1/1, conc.: 186 µg/kg, country:

Nigeria⁴

see also emu aran, ogbono, ogili-ugba, ogoro

Meal (maize) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 14/?, conc. range: tr–50 µg/kg,

country: Kenya⁷⁴⁶

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices

(mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 10/?, conc. range: tr–10 µg/kg, country: Kenya⁷⁴⁶

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXINS (B₁, B₂, G₁)

incidence: 4/13, conc. range: <5 µg/kg (1 sa), 6–20 µg/kg (1 sa), 21–50 µg/kg (1 sa), 96 µg/kg (1 sa) country: Guatemala³³
see also coffee, maize, nuts (peanut), rice

DEOXYNIVALENOL

incidence: 7/11, conc. range: 2000–19,000 µg/kg, Ø conc.: 5800 µg/kg, country: USA⁴²⁴
incidence: 8/16*, conc. range: 500–1600 µg/kg, Ø conc.: 1112.5 µg/kg, country: USA⁴⁷⁸, *from China

incidence: 44/50, conc. range: ≤300 µg/kg, country: USA⁵⁶¹

incidence: 2/2* **, conc. range: 500–870 µg/kg, Ø conc.: 685 µg/kg, country:

Germany⁵⁶², *and unknown origin, **o see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

FUMONISIN B₁

incidence: 3/3, conc. range: 603–1171 µg/kg, Ø conc.: 810.7 µg/kg, country: Argentina²⁰⁸

incidence: 9/9, conc. range: 560–4930 µg/kg, Ø conc.: 2290 µg/kg, country: Brazil²¹⁵

incidence: 3/3*, conc. range: 1500–4700 µg/kg, Ø conc.: 2933 µg/kg, country: USA³⁵⁶, *unprocessed

incidence: 1/3*, conc.: 100 µg/kg, country: USA³⁵⁶, *processed

incidence: 6/6*, conc. range: 210–840 µg/kg, Ø conc.: 573.3 µg/kg, country: USA³⁶⁹,

*white and yellow

incidence: 15/33, conc. range: 250–2660 µg/kg, Ø conc.: 775.3 µg/kg, country:

Turkey³⁸¹

incidence: 7/7*, conc. range: 400–6320 µg/kg, Ø conc.: 1906 µg/kg, country: USA³⁸⁴,

*includes one self-rising white and one blue maize meal

incidence: 2/7, conc. range: ≤110 µg/kg, Ø conc.: 85 µg/kg, country: Switzerland⁴⁰⁰

incidence: ?/3*, conc. range: 500–1000 µg/kg, country: USA⁴⁰³, *yellow

incidence: ?/3*, conc. range: 600–1200 µg/kg, country: USA⁴⁰³, *white

incidence: 1/3, conc.: 70 µg/kg, country: Spain⁴⁰⁴

incidence: 17/17*, conc. range: 280–2050 µg/kg, Ø conc.: 817.1 µg/kg, country: USA⁴¹⁰, *and Venezuela

incidence: 65/74*, conc. range: 50–2980 µg/kg, Ø conc.: 423.7 µg/kg, country: South Africa⁴¹³, *and from Canada, Egypt, Peru, USA

incidence: 7/16*, conc. range: 600–8800 µg/kg, Ø conc.: 2128.6 µg/kg, country: USA⁴⁷⁸, *from China

incidence: 89/89*, conc. range: 171–5825 µg/kg, Ø conc.: 1673 µg/kg, country: South Africa⁶¹⁵, *from Brazil

incidence: 13/15*, conc. range: 25–230 µg/kg, Ø conc.: 118 µg/kg, country: Colombia⁶⁷², *pre-cooked

incidence: 4/7, conc. range: 36–408 µg/kg, Ø conc.: 216 µg/kg, country: Colombia⁶⁷²

incidence: 2/2, conc. range: 60–70 µg/kg, Ø conc.: 65 µg/kg, country: South Africa⁷⁶³

incidence: 1/1*, conc.: 740 µg/kg, country: South Africa⁷⁶³, *from Zambia

incidence: 4/4*, conc. range: 55–1910 µg/kg, Ø conc.: 625 µg/kg, country: South Africa⁷⁶³, *from Zimbabwe

incidence: 19/21, conc. range: 60–2860 µg/kg, Ø conc.: 556 µg/kg, country: Argentina⁸¹⁷

see also arepas, asparagus, barley, batter, beans, beer, bran (maize), bread, cake (rice), cereals, cereals (breakfast), chamomile, chips (maize), chips (tortilla), flakes (corn), flour (maize), food, food (baby), foodstuff, grits (maize), Incaparina, leaves, maize, maize fiber, maize muffin, maize products, maize silk, maize starch, masa, meal (sorghum), milk, muffin mix, nuts (peanut), pancake, popcorn, rapoko, rice, snacks, sorghum, soybeans, syrup (sorghum), tea, tortillas, wheat

FUMONISIN B₂

incidence: 1/3, conc.: 717 µg/kg, country: Argentina²⁰⁸

incidence: 9/9, conc. range: 210–1380 µg/kg, Ø conc.: 600 µg/kg, country: Brazil²¹⁵

incidence: 6/6*, conc. range: 33–414 µg/kg, Ø conc.: 172.5 µg/kg, country: USA³⁶⁹, *white and yellow

incidence: 1/33, conc.: 550 µg/kg, country: Turkey³⁸¹

incidence: 17/17*, conc. range: 50–530 µg/kg, Ø conc.: 193.5 µg/kg, country: USA⁴¹⁰, *and Venezuela

incidence: 27/74*, conc. range: ≤920 µg/kg, Ø conc.: 390.5 µg/kg, country: South Africa⁴¹³, *and from Canada, Egypt, Peru, USA

incidence: 4/16*, conc. range: 500–2800 µg/kg, Ø conc.: 1225 µg/kg, country: USA⁴⁷⁸, *from China

incidence: 89/89*, conc. range: 28–1687 µg/kg, Ø conc.: 415 µg/kg, country: South Africa⁶¹⁵, *from Brazil

incidence: 7/15*, conc. range: 33–81 µg/kg, Ø conc.: 43 µg/kg, country: Colombia⁶⁷², *pre-cooked

incidence: 2/7, conc. range: 65–105 µg/kg, Ø conc.: 85 µg/kg, country: Colombia⁶⁷²

incidence: 1/1*, conc.: 380 µg/kg, country: South Africa⁷⁶³, *from Zambia

incidence: 2/4*, conc. range: 150–620 µg/kg, Ø conc.: 385 µg/kg, country: South Africa⁷⁶³, *from Zimbabwe

incidence: 19/21, conc. range: 61–1090 µg/kg, Ø conc.: 232 µg/kg, country: Argentina⁸¹⁷

see also arepas, asparagus, barley, batter, beer, bran (maize), cereals, cereals (breakfast), chips (maize), chips (tortilla), flakes (corn), flour (maize), food (baby), foodstuff, grits (maize), Incaparina, maize, maize fiber, maize starch, masa, muffin mix, pancake, popcorn, rice, snacks, tortillas, wheat

FUMONISIN B₃

incidence: 6/6*, conc. range: pr, country: USA³⁶⁹, *white and yellow

incidence: 2/16*, conc. range: 600–900 µg/kg, Ø conc.: 750 µg/kg, country: USA⁴⁷⁸, *from China

incidence: 89/89*, conc. range: 16–549 µg/kg, Ø conc.: 154 µg/kg, country: South Africa⁶¹⁵, *from Brazil

incidence: 1/1*, conc.: 85 µg/kg, country: South Africa⁷⁶³, *from Zambia

incidence: 2/4*, conc. range: 55–205 µg/kg, Ø conc.: 130 µg/kg, country: South Africa⁷⁶³, *from Zimbabwe

incidence: 19/21, conc. range: 18–1015 µg/kg, Ø conc.: 150 µg/kg, country: Argentina⁸¹⁷
see also barley, cereal products, cereals, flour (maize), food (baby), Incaparina, maize, pancake, popcorn, rice, snacks

FUMONISINS (B₁, B₂)

incidence: 34/37*, conc. range: ≤6617 µg/kg, Ø conc.: 823 µg/kg, country: Germany²⁴⁴, *and semolina

see also beer, flour (maize), food (infant), maize, noodles, rice, spice powder, spices (chilli pickle), spices (curry), spices (curry paste), spices (curry powder), spices (tandoori)

FUMONISINS

incidence: 4/4*, conc. range: 650–7450 µg/kg, Ø conc.: 3075 µg/kg, country: USA³⁵⁷, *white
incidence: 6/6*, conc. range: 450–4750 µg/kg, Ø conc.: 1558 µg/kg, country: USA³⁵⁷, *yellow

incidence: 1/2* **, conc.: 7.1 µg/kg, country: Germany⁵⁶², *and unknown origin, **o
see also beer, bread, cereal (infant), chips (tortilla), flakes (corn), flour (maize), grits (maize), maize, maize pops cereal, maize products, maize starch, maize (infant cream corn), muffin mix, pasta, popcorn, porridge, products, sorghum, tortillas

MONILIFORMIN

incidence: 26/26*, conc. range: 50–180 µg/kg, Ø conc.: 85.6 µg/kg, country: UK⁵²⁴ *and from France, USA, unknown origin
see also barley, corn on the cob, flakes (corn), flour (maize), foodstuff, grits (maize), maize, maize-based thickeners, oats, popcorn, rye, snacks, triticale, wheat

OCHRATOXIN A

incidence: 1/6*, conc.: 0.4 µg/kg, country: Hungary⁵⁹³, *coarse
see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals,

cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquorice, liquorice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

ZEARALENONE

incidence: 3/11, conc. range: 8–100 µg/kg,
 Ø conc.: 38 µg/kg, country: USA⁴²⁴
 incidence: 2/16*, conc. range: 500 µg/kg,
 Ø conc.: 500 µg/kg, country: USA⁴⁷⁸, *from
 China
 incidence: 2/2* **, conc. range: 38–65 µg/kg,
 Ø conc.: 51.5 µg/kg, country: Germany⁵⁶²,
 *and unknown origin, **o
 incidence: 9/11, conc. range: 11–69 µg/kg,
 Ø conc.: 33.1 µg/kg, country: USA⁵⁶⁷
 incidence: 7/9, conc. range: 3.2–120 µg/kg,
 Ø conc.: 23 µg/kg, country: USA⁸³¹
 see also acha, amaranth, barley, beans,
 beefburger, beer, biscuits, bran (oat), bran
 (wheat), bread, cake/muffin mixes, cereal
 (baby), cereals, cereals (breakfast), cheese,
 crackers, flakes (corn), flour, flour (barley),
 flour (maize), flour (wheat), food, food
 (infant), foodstuff, fruits, germ (wheat), grits
 (maize), Job's-tears, maize, malt (barley),
 malt (maize), meal (barley), meal (millet),
 meal (rye), meal (wheat), meat, meat
 (luncheon), milk, milk powder, nuts
 (almond), nuts (hazelnut), nuts (peanut),
 nuts (walnut), oats, oil, oil seeds, pig serum,
 popcorn, products, pumpkin seeds, rice, rye,
 sausages, sesame seeds, snacks, sorghum,
 soybeans, spice powder, spices (chilli), spices
 (chilli powder), spices (chilli sauce), spices
 (coriander), spices (curry), spices (curry
 paste), spices (curry powder), spices (fennel),
 spices (garlic pickle), spices (pepper),
 sunflower seeds, vegetables, wheat

Meal (millet) may contain the following
 mycotoxins:

DEOXYNIVALENOL

incidence: 1/1*, conc.: 720 µg/kg, country:
 Papua, New Guinea⁵⁷⁴, *from Australia
 see also acha, barley, batter, beans, beer,
 biscuits, bran (oat), bran (wheat), bread,
 cake, cereal (baby), cereals, cereals
 (breakfast), chips (maize), crackers, croissant,
 figazzas, flakes (corn), flakes (oat), flakes
 (wheat), flour, flour (barley), flour (maize),
 flour (rye), flour (wheat), food, food (baby),
 food (infant), germ (wheat), grains, grits

(barley), grits (maize), grits (wheat), groats
 (oat), Job's-tears, knäckebröd, libritos, maize,
 malt (barley), malt (wheat), meal (barley),
 meal (maize), meal (rye), meal (wheat),
 millet, muesli, noodles, oat products, oats,
 pancake, popcorn, rice, rye, snacks, sorghum,
 soybeans, spices (chilli powder), spices
 (coriander), spices (garlic), spices (ginger),
 wheat

NIVALENOL

incidence: 1/1*, conc.: 1540 µg/kg, country:
 Papua, New Guinea⁵⁷⁴, *from Australia
 see also barley, beer, biscuits, bran (wheat),
 bread, cake, cereal (baby), cereals, cereals
 (breakfast), flour, flour (barley), flour
 (maize), flour (rye), flour (wheat), food,
 germ (wheat), grits (maize), grits (wheat),
 Job's-tears, maize, malt (barley), millet,
 noodles, oat products, oats, rice, rye, snacks,
 sorghum, soybeans, spices (chilli sauce),
 spices (curry), spices (curry paste), spices
 (curry powder), spices (garlic), spices
 (ginger), spices (tandoori), wheat

ZEARALENONE

incidence: 1/1*, conc.: 440 µg/kg, country:
 Papua, New Guinea⁵⁷⁴, *from Australia
 see also acha, amaranth, barley, beans,
 beefburger, beer, biscuits, bran (oat), bran
 (wheat), bread, cake/muffin mixes, cereal
 (baby), cereals, cereals (breakfast), cheese,
 crackers, flakes (corn), flour, flour (barley),
 flour (maize), flour (wheat), food, food
 (infant), foodstuff, fruits, germ (wheat), grits
 (maize), Job's-tears, maize, malt (barley),
 malt (maize), meal (barley), meal (maize),
 meal (rye), meal (wheat), meat, meat
 (luncheon), milk, milk powder, nuts
 (almond), nuts (hazelnut), nuts (peanut),
 nuts (walnut), oats, oil, oil seeds, pig serum,
 popcorn, products, pumpkin seeds, rice, rye,
 sausages, sesame seeds, snacks, sorghum,
 soybeans, spice powder, spices (chilli), spices
 (chilli powder), spices (chilli sauce), spices
 (coriander), spices (curry), spices (curry
 paste), spices (curry powder), spices (fennel),
 spices (garlic pickle), spices (pepper),
 sunflower seeds, vegetables, wheat

Meal (peanut) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 3/4*, conc. range: 112–6500 µg/kg,

country: USA³⁶, *ncac

incidence: 1/1*, conc.: 35.7 µg/kg, country:

USA¹⁰⁰, *ncac

incidence: 1/1* **, conc.: 269 µg/kg, country:

USA¹⁰⁰, *de-oiled, **ncac

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices

(chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

Meal (pistachio) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 1/1*, conc.: 61 µg/kg, country:

Denmark¹⁹³, *imported

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil

(peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 1/1*, conc.: 5.6 µg/kg, country: Denmark¹⁹³, *imported

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

Meal (posho) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 3/?, conc. range: tr–50 µg/kg, country: Kenya⁷⁴⁶

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne),

spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFATOXIN B₂

incidence: 2/? , conc. range: tr, country: Kenya⁷⁴⁶

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

Meal (protein supplement) may contain the following mycotoxins:

AFATOXINS (B₁, B₂)

incidence: 6/19, conc. range: <5 µg/kg (2 sa), 6–20 µg/kg (2 sa), 21–50 µg/kg (1 sa), 56 µg/kg (1 sa) country: Guatemala³³
see also flour (maize), maize, millet, rice, spices

Meal (rye) may contain the following mycotoxins:

DEOXYNIVALENOL

incidence: 2/2* **, conc. range: 55–56 µg/kg, Ø conc.: 55.5 µg/kg, country: Germany⁵⁶², *unknown origin, **o

incidence: 1/1* **, conc.: 33 µg/kg, country: Germany⁵⁶², *unknown origin, **c

see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

OCHRATOXIN A

incidence: 4/35, conc. range: 0.1–17.7 µg/kg, country: Germany⁶⁴⁰

incidence: 2/15*, conc. range: 1.7–1.8 µg/kg, Ø conc.: 1.8 µg/kg, country: Germany⁶⁴⁰, *coarse

incidence: 32/43*, conc. range: ≤1.431 µg/kg, Ø conc.: 0.115 µg/kg, country: Germany⁶⁹⁰, *whole

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum),

fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquorice, liquorice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

ZEARALENONE

incidence: 1/2* **, conc.: 5.3 µg/kg, country: Germany⁵⁶², *unknown origin, **o

incidence: 1/1* **, conc.: 12 µg/kg, country: Germany⁵⁶², *unknown origin, **c

see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits

(maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Meal (sorghum) may contain the following mycotoxins:

FUMONISIN B₁

incidence: 1/1, conc.: 28,200 µg/kg, country: Burundi⁷⁷⁸

see also arepas, asparagus, barley, batter, beans, beer, bran (maize), bread, cake (rice), cereals, cereals (breakfast), chamomile, chips (maize), chips (tortilla), flakes (corn), flour (maize), food, food (baby), foodstuff, grits (maize), Incaparina, leaves, maize, maize fiber, maize muffin, maize products, maize silk, maize starch, masa, meal (maize), milk, muffin mix, nuts (peanut), pancake, popcorn, rapoko, rice, snacks, sorghum, soybeans, syrup (sorghum), tea, tortillas, wheat

Meal (spelt) may contain the following mycotoxins:

OCHRATOXIN A

incidence: 18/21*, conc. range: ≤9.429 µg/kg, Ø conc.: 0.66 µg/kg**, country: Germany⁶⁹⁰, *whole

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings,

currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquourice, liquourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Meal (wheat) may contain the following mycotoxins:

DEOXYNIVALENOL

incidence: 1/3*, conc.: 30 µg/kg, country: Germany⁴³², *coarse

incidence: 4/4* ** ***, conc. range: 41–180 µg/kg, Ø conc.: 101 µg/kg, country: Germany⁵⁶², *unknown origin, **whole, ***o incidence: 3/3* ** ***, conc. range: 60–90 µg/kg, Ø conc.: 75 µg/kg, country: Germany⁵⁶², *unknown origin, **whole, ***c see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

OCHRATOXIN A

incidence: 3/23*, conc. range: 0.2–0.5 µg/kg, country: Germany⁶⁴⁰, *whole incidence: 18/18*, conc. range: ≤1.197 µg/kg, Ø conc.: 0.201 µg/kg, country: Germany⁶⁹⁰, *whole

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice

(carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

ZEARALENONE

incidence: 3/4* ** ***, conc. range: 5.1–10 µg/kg, Ø conc.: 6.9 µg/kg, country: Germany⁵⁶², *unknown origin, **whole, ***o incidence: 2/3* ** ***, conc. range: 11–12 µg/kg, Ø conc.: 11.5 µg/kg, country: Germany⁵⁶², *unknown origin, **whole, ***c see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley),

malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Meat may contain the following mycotoxins:

ZEARALENONE

incidence: 5/25*, conc. range: 3.2–11.8 µg/kg, Ø conc.: 8.7 µg/kg, country: Egypt⁴⁴³, *fresh incidence: 6/25*, conc. range: 3.3–13.2 µg/kg, Ø conc.: 6.3 µg/kg, country: Egypt⁴⁴³, *frozen incidence: 5/20*, conc. range: 1.9–9.92 µg/kg, Ø conc.: 7.2 µg/kg, country: Egypt⁴⁴³, *minced

see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Meat (luncheon) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 1/25, conc.: 4 µg/kg, country: Egypt¹⁴

incidence: 7/50, conc. range: 0.5–11.1 µg/kg, Ø conc.: 3 µg/kg, country: Egypt⁷⁵

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices

(mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 1/25, conc.: 2 µg/kg, country: Egypt¹⁴

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 1/50, conc.: 3.2 µg/kg, country: Egypt⁷⁵

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts

(grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

ZEARALENONE

incidence: 4/20, conc. range: 1.3–7.5 µg/kg, Ø conc.: 6.4 µg/kg, country: Egypt⁴⁴³

see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Meat and fish may contain the following mycotoxins:

OCHRATOXIN A

incidence: 6/6, conc. range: 0.1–2.2 µg/kg, country: Tunisia⁶³⁴

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat,

butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquorice, liquorice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Meju may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 26/60, conc. range: 2.1–23.5 µg/kg,

Ø conc.: 6.9 µg/kg, country: Korea²²⁵

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika),

spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

Melon

see Fruits (melon)

Melon balls snacks

see Snacks

Melon seeds may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 102/319, conc. range: ≤50 µg/kg,

country: Nigeria³⁹²

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts

(walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFATOXINS

incidence: 2/4*, conc. range: ≤ 29 $\mu\text{g/kg}$, $\emptyset$ conc.: 26 $\mu\text{g/kg}$, country: USA¹⁹⁷, *imported see also beans, candy (peanut), candy (pistachio), cassava, figs, flour (maize), grain mixtures, grains, maize, maize dough, maize products, millet, nuts, nuts (almond), nuts (brazil), nuts (peanut), nuts (peanut butter), nuts (peanut mix), nuts (peanut products), nuts (pecan), nuts (pistachio), nuts (walnut), nuts and seeds, paste (peanut), paste (pipian), peas, rice, sauce (leaf), snacks, sorghum, spices, spices (chilli), spices (cumin), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper), spices (tandoori), teff, tubers, wheat

Milk may contain the following mycotoxins:

AFATOXIN M₁

incidence: 2/24*, conc. range: 0.02–0.04 $\mu\text{g/l}$, country: Spain⁴¹, *pasteurized
incidence: 5/19* **, conc. range: 0.01–0.02 $\mu\text{g/l}$, $\emptyset$ conc.: 0.015 $\mu\text{g/l}$, country: Cyprus⁷⁴, *full, **pasteurized
incidence: 1/4* **, conc.: 0.01 $\mu\text{g/l}$, country: Cyprus⁷⁴, *light, **pasteurized
incidence: 3/8* **, conc. range: 0.01–0.04 $\mu\text{g/kg}$, $\emptyset$ conc.: 0.02 $\mu\text{g/l}$, country: Cyprus⁷⁴, *skimmed, **pasteurized

incidence: 59/66*, conc. range: 0.004–0.15 $\mu\text{g/l}$, country: Italy⁷⁷, *pasteurized
incidence: 5/12*, conc. range: ≤ 2.25 $\mu\text{g/l}$, country: France⁸¹, *condensed
incidence: 5/33*, conc. range: 0.01–0.02 $\mu\text{g/l}$ (4 sa), 0.02–0.04 $\mu\text{g/l}$ (1 sa), country: Spain⁸⁸, *sterilized
incidence: 27/30*, con. range: 0.003–0.022 $\mu\text{g/l}$, country: Italy¹⁰⁶, *pasteurized
incidence: 70/82*, conc. range: 0.005–0.01 $\mu\text{g/l}$ (42 sa), 0.011–0.02 $\mu\text{g/l}$ (18 sa), 0.021–0.05 $\mu\text{g l}$ (10 sa), country: Greece¹⁵⁰, *pasteurized
incidence: 43/54*, conc. range: 0.005–0.01 $\mu\text{g/l}$ (18 sa), 0.011–0.02 $\mu\text{g/l}$ (15 sa), 0.021–0.05 $\mu\text{g/l}$ (10 sa), country: Greece¹⁵⁰, *pasteurized
incidence: 14/15*, conc. range: 0.005–0.01 $\mu\text{g/l}$ (2 sa), 0.011–0.02 $\mu\text{g/l}$ (4 sa), 0.021–0.05 $\mu\text{g/l}$ (6 sa), >0.05 $\mu\text{g/l}$ (2 sa), country: Greece¹⁵⁰, *concentrated
incidence: 60/60*, conc. range: >0.05 –0.125 $\mu\text{g/l}$ (12 sa), >0.125 –0.25 $\mu\text{g/l}$ (19 sa), >0.25 –0.5 $\mu\text{g/l}$ (26 sa), >0.5 $\mu\text{g/l}$ (3 sa), country: Thailand¹⁵⁵, *sterilized
incidence: 63/63*, conc. range: >0.05 –0.125 $\mu\text{g/l}$ (13 sa), >0.125 –0.25 $\mu\text{g/l}$ (16 sa), >0.25 –0.5 $\mu\text{g/l}$ (14 sa), >0.5 $\mu\text{g/l}$ (20 sa), country: Thailand¹⁵⁵, *pasteurized
incidence: 7/7*, conc. range: >0.125 –0.25 $\mu\text{g/l}$ (2 sa), >0.25 –0.5 $\mu\text{g/l}$ (4 sa), >0.5 $\mu\text{g/l}$ (1 sa), country: Thailand¹⁵⁵, *pelleted
incidence: 61/68*, conc. range: 0.005–0.05 $\mu\text{g/l}$, country: Italy¹⁶⁸, *pasteurized
incidence: 2/15*, conc. range: 0.0394–0.1012 $\mu\text{g/l}$, $\emptyset$ conc.: 0.0703 $\mu\text{g/l}$, country: Brazil¹⁸⁶, *pasteurized
incidence: 4/52*, conc. range: 0.073–0.37 $\mu\text{g/l}$, $\emptyset$ conc.: 0.155 $\mu\text{g/l}$, country: Brazil²⁴⁶, *pasteurized
incidence: 7/95*, conc. range: 0.02–0.04 $\mu\text{g/l}$, country: Spain³⁰⁴, *includes raw, pasteurized, sterilized, concentrated
incidence: 1/35, conc.: 1 $\mu\text{g/l}$, country: India³²¹
incidence: 3/5*, conc. range: 0.01–0.03 $\mu\text{g/l}$, $\emptyset$ conc.: 0.02 $\mu\text{g/kg}$, country: Kuwait³²⁹, *skimmed

incidence: 5/7*, conc. range: 0.02–0.16 µg/l, Ø conc.: 0.068 µg/kg, country: Kuwait³²⁹, *full cream

incidence: 7/22, conc. range: 0.2–0.5 µg/kg (6 sa), >0.5 µg/kg (1 sa), country: Uruguay⁷⁸⁷
see also butter, cheese, cheese (blue), gruel, ice cream, kidney (poultry), koshek, lactoserum powder, maize, milk packets, milk powder, milk products, milk (buffalo), milk (camel), milk (cow), milk (goat), milk (human breast), milk (raw or dried, for infant formula), milk (sheep), milk (sheep/goat), milk (UHT), milk (whey powder), yogurt

FUMONISIN B₁

incidence: 1/165, conc. 1.3 µg/l, country: USA³⁷⁷

see also arepas, asparagus, barley, batter, beans, beer, bran (maize), bread, cake (rice), cereals, cereals (breakfast), chamomile, chips (maize), chips (tortilla), flakes (corn), flour (maize), food, food (baby), foodstuff, grits (maize), Incaparina, leaves, maize, maize fiber, maize muffin, maize products, maize silk, maize starch, masa, meal (maize), meal (sorghum), muffin mix, nuts (peanut), pancake, popcorn, rapoko, rice, snacks, sorghum, soybeans, syrup (sorghum), tea, tortillas, wheat

ZEARALENONE

incidence: 4/20*, conc. range: 2.9–10.1 µg/l, Ø conc.: 6.9 µg/kg, country: Egypt⁴⁴³, *raw
incidence: 3/20*, conc. range: 1.2–7.2 µg/l, Ø conc.: 5 µg/kg, country: Egypt⁴⁴³, *pasteurized
incidence: 5/20*, conc. range: 1.6–9.3 µg/l, Ø conc.: 4.4 µg/kg, country: Egypt⁴⁴³, *condensed

see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk powder, nuts

(almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Milk packets may contain the following mycotoxins:

AFLATOXIN M₁

incidence: 16/44, conc. range: 0.6–15 µg/l (11 sa), 16–30 µg/l (5 sa), country: India¹⁹⁵
see also butter, cheese, cheese (blue), gruel, ice cream, kidney (poultry), koshek, lactoserum powder, maize, milk, milk powder, milk products, milk (buffalo), milk (camel), milk (cow), milk (goat), milk (human breast), milk (raw or dried, for infant formula), milk (sheep), milk (sheep/goat), milk (UHT), milk (whey powder), yogurt

Milk powder may contain the following mycotoxins:

AFLATOXIN M₁

incidence: 30/41, conc. range: 0.2–2 µg/kg, Ø conc.: 0.5 µg/kg, country: Germany⁶
incidence: 2/70*, conc. range: ≈0.8 µg/kg, country: GDR²⁵, *products
incidence: 1/15*, conc.: 15 µg/kg, country: Egypt⁴³, *from Denmark
incidence: 3/18, conc. range: 0.040–0.095 µg/kg, Ø conc.: 0.066 µg/kg, country: Italy⁴⁹
incidence: 1/18*, conc.: 6.4 µg/kg, country: GDR³¹, *products
incidence: 81/97, conc. range: <0.001–0.1 µg/kg, Ø conc.: 0.022 µg/kg, country: Italy⁵⁸
incidence: 35/277, conc. range: <0.03 µg/kg (24 sa), 0.01–0.02 µg/kg (6 sa), 0.02–0.04 µg/kg (5 sa), country: UK⁶¹
incidence: 9/9, conc. range: 0.01–0.28 µg/kg, country: Italy⁷⁷
incidence: 47/95, conc. range: 0.1–2.55 µg/kg, country: Germany⁸⁰

incidence: 129/222, conc. range: 0.05–5.2 µg/kg, country: France⁸¹

incidence: 6/13, conc. range: 0.05–0.1 µg/kg, country: Italy⁸⁵

incidence: 5/10*, conc. range: 0.015–0.243 µg/kg, country: Japan⁹³, *sa from USA

incidence: 3/12, conc. range: tr, country: Japan⁹³, *sa from Italy

incidence: 3/3, conc. range: 0.015–0.085 µg/kg, country: Japan⁹³, *sa from Poland

incidence: 21/27, conc. range: 0.015–0.464 µg/kg, country: Japan⁹³, *sa from China

incidence: 17/24, conc. range: 0.083–0.342 µg/kg, Ø conc.: 0.221 µg/kg, country: Korea⁹⁶

incidence: 476/1047, conc. range: 0.03–0.69 µg/kg, country: Austria¹⁰³

incidence: 10/10, conc. range: 0.015–0.1 µg/kg, country: Italy¹⁰⁶

incidence: 7/7, conc. range: 0.679–1.96 µg/kg, Ø conc.: 1.4 µg/kg, country: Italy¹¹⁶

incidence: 4/4, conc. range: 0.009–0.082 µg/kg, Ø conc.: 0.042 µg/kg, country: USA¹²⁰

incidence: 8/166, conc. range: 0.67–2.0 µg/kg, country: Germany¹³³

incidence: 33/300, conc. range: 0.1–1.0 µg/kg, Ø conc.: 0.27 µg/kg, country: Brazil¹³⁶

incidence: 2/13, conc. range: >0–0.05 µg/kg (1 sa), >0.05–0.125 µg/kg (1 sa), country: Thailand¹⁵⁵

incidence: ?/5, conc. range: 3.82–5.74 µg/kg, Ø conc.: 4.91 µg/kg, country: USA¹⁸⁰

incidence: 5/10, conc. range: 0.6–15 µg/kg (5 sa), country: India¹⁹⁵

incidence: 1/10, conc.: 5 µg/kg, country: Egypt²²¹

incidence: 1/16, conc.: 1 µg/kg, country: India³²¹

incidence: 4/5, conc. range: 0.01–0.014 µg/l, Ø conc.: 0.0125 µg/l, country: Argentina⁶⁰⁵

incidence: 50/92* ** ***, conc. range: 0.001–0.0796 µg/kg, Ø conc.: 0.0322 µg/kg, country: Italy⁶¹³, *and from Denmark, France, Germany, Switzerland, **infant formula, ***dry milk

incidence: 29/58*, conc. range: <1–2 µg/kg, country: Germany⁸⁴⁶, *full-milk

incidence: 45/62*, conc. range: <1–4 µg/kg, country: Germany⁸⁴⁶, *skim-milk

incidence: 22/28*, conc. range: 0.4–1.5 µg/kg, Ø conc.: 0.92 µg/kg, country: Germany⁸⁴⁶, *skim-milk

incidence: 2/5*, conc. range: <1–1 µg/kg, country: Germany⁸⁴⁶, *infant formula

incidence: 1/1*, conc.: 0.06 µg/kg, country: UK⁸⁴⁷, *roller-dried

incidence: 1/1*, conc.: 0.26 µg/kg, country: UK⁸⁴⁷, *spray-dried

see also butter, cheese, cheese (blue), gruel, ice cream, kidney (poultry), koshk, lactoserum powder, maize, milk, milk packets, milk products, milk (buffalo), milk (camel), milk (cow), milk (goat), milk (human breast), milk (raw or dried, for infant formula), milk (sheep), milk (sheep/goat), milk (UHT), milk (whey powder), yogurt

AFLATOXIN M₂

incidence: ?/58*, conc. range: tr, country: Germany⁸⁴⁶, *full-milk

incidence: ?/62*, conc. range: tr, country: Germany⁸⁴⁶, *skim-milk

incidence: 11/28*, conc. range: tr, country: Germany⁸⁴⁶, *skim-milk

see also gruel, milk (cow), milk (goat), milk (human breast)

ZEARALENONE

incidence: 6/20, conc. range: 3.1–12.5 µg/kg, Ø conc.: 6.4 µg/kg, country: Egypt⁴⁴³

see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry

paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Milk products may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 1/22, conc.: 6.4 µg/kg, country: GDR¹⁷⁸

incidence: 3/10, conc. range: 0.6–15 µg/kg (3 sa), country: India¹⁹⁵

incidence: 2/23*, conc. range: 10–20 µg/kg, Ø conc.: 15 µg/kg, country: India³²¹, *barfi, khoa, paneer

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste

(soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN M₁

incidence: 11/62, conc. range: 0.28–1.3 µg/kg, country: Italy⁴⁸³

see also butter, cheese, cheese (blue), gruel, ice cream, kidney (poultry), koskh, lactoserum powder, maize, milk, milk packets, milk powder, milk (buffalo), milk (camel), milk (cow), milk (goat), milk (human breast), milk (raw or dried, for infant formula), milk (sheep), milk (sheep/goat), milk (UHT), milk (whey powder), yogurt

AFLATOXIN M₄

incidence: 3/62, conc. range: 0.34–0.87 µg/kg, country: Italy⁴⁸³

Milk (buffalo) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 17/28, conc. range: nc, country: India²¹⁴

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and

medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN M₁

incidence: 17/28, conc. range: nc, country: India²¹⁴

incidence: 1/25, conc.: 1 µg/l, country: India³²¹

incidence: 60/207*, conc. range: 0.004–0.676 µg/l, country: Italy⁴³⁶, *raw

see also butter, cheese, cheese (blue), gruel, ice cream, kidney (poultry), koskh, lactoserum powder, maize, milk, milk packets, milk powder, milk products, milk (camel), milk (cow), milk (goat), milk

(human breast), milk (raw or dried, for infant formula), milk (sheep), milk (sheep/goat), milk (UHT), milk (whey powder), yogurt

Milk (camel) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 1/8, conc. range: nc, country: India²¹⁴

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices

(chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN M₁

incidence: 6/20, conc. range: 0.25–0.8 µg/l, country: UAE¹⁵¹

incidence: 59/66, conc. range: nc, Ø conc.: 0.075 µg/l, country: India²³¹

see also butter, cheese, cheese (blue), gruel, ice cream, kidney (poultry), koshk, lactoserum powder, maize, milk, milk packets, milk powder, milk products, milk (buffalo), milk (cow), milk (goat), milk (human breast), milk (raw or dried, for infant formula), milk (sheep), milk (sheep/goat), milk (UHT), milk (whey powder), yogurt

Milk (cow) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 3/8, conc. range: nc, country: India²¹⁴

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste),

mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN M₁

incidence: 118/260, conc. range: 0.05–0.33 µg/l, country: Germany⁶

incidence: 4/36, conc. range: 1.7–6.5 µg/l, Ø conc.: 3.6 µg/l, country: GDR⁵¹

incidence: 43/403, conc. range: 0.025–0.1 µg/l (37 sa), 0.1–0.5 µg/l (6 sa), country: Czechoslovakia⁵⁴

incidence: 46/376, conc. range: 0.025–0.1 µg/l (44 sa), >0.1 µg/l (2 sa), country: Czechoslovakia⁵⁴

incidence: 11/22, conc. range: 0.01–0.25 µg/l, country: Poland⁵⁷

incidence: 136/159, conc. range: <0.001–0.1 µg/l, Ø conc.: 0.01 µg/l, country: Italy⁵⁸

incidence: 24/409, conc. range: 0.02–0.05 µg/l (10 samples), 0.05–0.1 µg/l (6 sa), >0.1 µg/l (8 sa), country: UK⁶¹

incidence: 3/71*, conc. range: 0.03–0.04 µg/kg, Ø conc.: 0.035 µg/l, country: Cyprus⁷⁴, *raw

incidence: 8/31*, conc. range: 0.005–0.091 µg/l, country: Italy⁷⁷, *raw, farm

incidence: 168/380, conc. range: 0.05–1.15 µg/l, country: France⁸¹

incidence: 3/2867, conc. range: 0–0.010 µg/l (2229 sa), 0.011–0.020 µg/l (600 sa), 0.021–0.030 µg/l (26 sa), 0.031–0.040 µg/l (6 sa), 0.041–0.050 µg/l (3 sa), >0.05 µg/l (3 sa), country: Germany⁸²

incidence: 16/163, conc. range: 0.05–2.0 µg/l, country: Switzerland⁸³

incidence: 40/230, conc. range: 0.05–3.0 µg/l, country: Switzerland⁸³

incidence: 3/5489, conc. range: 0–0.05 µg/l (5284 sa), 0.05–0.50 µg/l (200 sa), >0.5 µg/l (5 sa), country: France⁸⁷

incidence: 3/757*, conc. range: 0–0.05 µg/l (659 sa), 0.05–0.50 µg/l (84 sa), >0.5 µg/l (14 sa), country: France⁸⁷, *raw

incidence: 12/49, conc. range: 0.01–0.02 µg/l (10 sa), 0.02–0.04 µg/l (2 sa), country: Spain⁸⁸

incidence: 4/99*, conc. range: 0.1–0.13 µg/l, country: Greece⁹¹, *raw

incidence: 12/36*, conc. range: 0.04–0.25 µg/l, country: Germany⁹⁴, *single farms

incidence: 9/12*, conc. range: 0.04–0.08 µg/l, country: Germany⁹⁴, *tanker

incidence: 7/13*, conc. range: 0.05–0.13 µg/l, country: Germany⁹⁴, *bulk milk

incidence: 79/419, conc. range: 0.05–0.54 µg/l, Ø conc.: 0.12 µg/l, country: Germany⁹⁵

incidence: 39/70, conc. range: 0.015–0.052 µg/l, Ø conc.: 0.031 µg/l, country: Korea⁹⁶

incidence: 191/302, conc. range: tr–0.2 µg/l (126 sa), 0.3–0.4 µg/l (46 sa), 0.5–0.7 µg/l (14 sa), >0.7 µg/l (5 sa), country: USA⁹⁸

incidence: 14/40, conc. range: ≤0.7 µg/l, country: Switzerland¹⁰²

incidence: 5/107, conc. range: 0.024–0.094 µg/l, country: Italy¹⁰⁴

incidence: 25/191, conc. range: 0.05–0.1 µg/l, country: Czechoslovakia¹¹⁵

incidence: 22/22*, conc. range: <0.1–0.434 µg/l, country: Italy¹¹⁶, *commercial

incidence: 9/117*, conc. range: 0.05–0.1 µg/l, country: Czechoslovakia¹¹⁸, *commercial

incidence: 84/105*, conc. range: 0.015–0.09 µg/l, Ø conc.: 0.03 µg/l, country: The Netherlands¹¹⁹, *raw and UHT

incidence: 72/81*, conc. range: 0.0005–0.001 µg/l (31 sa), 0.0025–0.005 µg/l (32 sa), >0.005–0.177 µg/l (9 sa), country: Greece¹²³, *pasteurized

incidence: 22/85*, conc. range: <0.5 µg/l (8 sa), >0.5 µg/l (14 sa, with a maximum of 2.6 µg/l), country: Spain¹²⁶, *raw

incidence: 143/192*, conc. range: >0.125–0.5 µg/l (80 sa), –1 µg/kg (30 sa), –1.5 µg/l (18 sa), –2 µg/l (8 sa), –3 µg/l (5 sa), –4.5 µg/l (1 sa), –6 µg/l (1 sa), Ø conc.: 0.54 µg/l, country: Switzerland¹³¹, *from Ecuador

incidence: 46/46*, conc. range: 0.01–0.21 µg/l, country: The Netherlands¹³⁴, *raw

incidence: 16/100, conc. range: 0.02–0.138 µg/l, country: Italy¹³⁷

incidence: 267/267*, conc. range: <0.005 µg/l (115 sa), 0.005–0.02 µg/l (113 sa), >0.02<0.05 µg/l (21 sa), ≥0.05 µg/l (19 sa), country: Sweden¹³⁹, *different preservation techniques for the grain fed to dairy cows

incidence: 31/225*, conc. range: 0.001–0.01 µg/l, country: Italy¹⁴², *from Germany

incidence: 11/77*, conc. range: 0.001–0.01 µg/l (10 sa), 0.011–0.05 µg/l (1 sa), country: Italy¹⁴², *from France

incidence: 70/276, conc. range: 0.001–0.01 µg/l (39 sa), 0.011–0.05 µg/l (24 sa), 0.051–0.1 µg/l (5 sa), 0.101–0.2 µg/l (2 sa), country: Italy¹⁴²

incidence: 130/416, conc. range: 0.005–0.05 µg/l (68 sa), 0.051–0.1 µg/l (26 sa), 0.101–0.25 µg/l (27 sa), 0.251–0.4 µg/l (7 sa), >0.4 µg/l (2 sa), country: Italy¹⁴²

incidence: 5/21, conc. range: <0.16 µg/l (3 sa), ≈0.16 µg/l (2 sa), country: South Africa¹⁴³

incidence: 89/504, conc. range: 0.1–3.5 µg/l, Ø conc.: 1.159 µg/l, country: India¹⁴⁵

incidence: 22/30*, conc. range: 0.005–0.01 µg/l (7 sa), 0.011–0.02 µg/l (10 sa), 0.021–0.05 µg/l (4 sa), >0.05 µg/l (1 sa), country: Greece¹⁵⁰, *raw

incidence: 18/23*, conc. range: 0.005–0.01 µg/l (12 sa), 0.011–0.02 µg/l (4 sa),

0.021–0.05 µg/l (2 sa), country: Greece¹⁵⁰,
 *bulk–tank
 incidence: 18/28*, conc. range: 0.005–0.01 µg/l (3 sa), 0.011–0.02 µg/l (10 sa),
 0.021–0.05 µg/l (4 sa), >0.05 µg/l (1 sa),
 country: Greece¹⁵⁰, *raw
 incidence: 1/100*, conc.: 0.2 µg/l, country: Brazil¹⁵³, *commercial
 incidence: 9/50*, conc. range: 0.1–1.68 µg/l, country: Brazil¹⁵³, *farm
 incidence: 66/67*, conc. range: >0–0.05 µg/l (9 sa), >0.05–0.125 µg/l (16 sa), >0.125–0.25 µg/l (19 sa), >0.25–0.5 µg/l (5 sa), >0.5 µg/l (17 sa), country: Thailand¹⁵⁵, *raw
 incidence: 50/85*, conc. range: 0–0.15 µg/l, country: Egypt¹⁵⁶, *raw
 incidence: 24/27, conc. range: 0.005–0.065 µg/l, country: Italy¹⁶⁸
 incidence: 13/13, conc. range: 0.005–0.36 µg/l, country: Sweden¹⁶⁹
 incidence: 4/4, conc. range: 0.0013–0.0068 µg/l, country: Norway¹⁷⁰
 incidence: 5/77*, conc. range: tr–0.38 µg/l, country: Czechoslovakia¹⁷¹, *raw
 incidence: 27/50, conc. range: tr–4.8 µg/l, country: India¹⁷²
 incidence: 191/302, conc. range: tr–0.2 µg/l (126 sa), 0.3–0.4 µg/l (46 sa), 0.5–0.7 µg/l (14 sa), >0.7 µg/l (5 sa), country: USA¹⁷⁶
 incidence: 38*/95, conc. range: 8–500 µg/kg?, country: Iran¹⁸², *mainly AFM₁ and to a minor degree AFM₂ and AFB₁
 incidence: 189/352*, conc. range: 0.6–15 µg/l (133 sa), 16–30 µg/l (40 sa), 31–48 µg/l (16 sa), country: India¹⁹⁵, *raw, peri urban and rural
 incidence: 17/50, conc. range: 0.6–15 µg/l (17 sa), country: India¹⁹⁵
 incidence: 64/64, conc. range: 0.0056–0.28 µg/l, Ø conc.: 0.08 µg/l, country: Korea²¹³
 incidence: 3/8, conc. range: nc, country: India²¹⁴
 incidence: 35/90, conc. range: 0.0302–0.0636 µg/l, country: Turkey²¹⁷
 incidence: 3/15, conc. range: 5–8 µg/l, Ø conc.: 6.3 µg/l, country: Egypt²²¹
 incidence: 25/31*, conc. range: 0.005–0.010 µg/l (17 sa), 0.011–0.020 µg/l (2 sa),

0.021–0.050 µg/l (6 sa), country: Portugal²²³,
 *raw
 incidence: 1/10*, conc.: 0.0108 µg/l, country: Turkey²²⁶
 incidence: 61/66, conc. range: nc, Ø conc.: 0.128 µg/l, country: India²³¹
 incidence: 90/91*, conc. range: nc, Ø conc.: 0.092 µg/l, country: India²³¹
 incidence: 10/42, conc. range: 0.29505–1.9749 µg/l, Ø conc.: 0.68485 µg/l, country: Brazil²⁴²
 incidence: 12/50, conc. range: 0.25–3.72 µg/l, Ø conc.: 1.03 µg/l, country: Egypt²⁵⁶
 incidence: 6/30*, conc. range: 0.0036–0.0106 µg/l, country: Poland²⁶⁸, *from chosen farms
 incidence: 37/157, conc. range: <0.001 µg/l (25 sa), 0.001–0.05 µg/l (12 sa), country: Poland²⁶⁸
 incidence: 28/36, conc. range: 0.01–0.05 µg/l (18 sa), 0.051–0.1 µg/l (5 sa), 0.101–0.2 µg/l (3 sa), 0.201–0.3 µg/l (2 sa), Ø conc.: 0.06 µg/l, country: Brazil²⁸²
 incidence: 36/325, conc. range: 0.1–1 µg/l, country: India³¹⁷
 incidence: 42/100, conc. range: 0–0.002 µg/l (21 sa), 0.002–0.005 µg/l (13 sa), 0.005–0.01 µg/l (4 sa), 0.01–0.05 µg/l (3 sa), 0.0518 µg/l (1 sa), country: Austria³¹⁹
 incidence: 3/21, conc. range: 3.3–13.3 µg/l, country: India³²¹
 incidence: 5/9, conc. range: 0.2–0.21 µg/l, Ø conc.: 0.21 µg/l, country: Kuwait³²⁹
 incidence: 126/242*, conc. range: 0.004–1.262 µg/l, country: Italy⁴³⁶, *raw
 incidence: 54/93*, conc. range: 0.004–0.088 µg/l, country: Italy⁴³⁶, *heat-treated
 incidence: 91/91*, conc. range: <0.002–0.609 µg/l, country: Switzerland⁴⁷³, *mixed
 incidence: 27/53*, conc. range: 0.005–0.146 µg/l, country: Italy⁴⁸², *raw
 incidence: 12/18*, conc. range: 0.005–0.03 µg/l, Ø conc.: 0.014 µg/l, country: Italy⁴⁸², *commercial
 incidence: 4/5, conc. range: 0.0085–0.012 µg/l, Ø conc.: 0.009 µg/l, country: Italy⁴⁸²
 incidence: 179/241, conc. range: 0.0106–0.2889 µg/l, country: Colombia⁵⁵⁶
 incidence: 6/56*, conc. range: 0.012–0.03 µg/l, Ø conc.: 0.016 µg/l, country: Argentina⁶⁰⁵, *farm

incidence: 8/16*, conc. range: 0.01–0.017 µg/l, Ø conc.: 0.013 µg/l, country: Argentina⁶⁰⁵, *pasteurized, commercial
 incidence: 207/208*, conc. range: 0.001–0.029 µg/l, Ø conc.: 0.009 µg/l, country: Japan⁶¹⁶, *pasteurized
 incidence: 58/79*, conc. range: 0.015–0.05 µg/l (46 sa), 0.05–0.5 µg/l (12 sa), country: Brazil⁶²⁰, *pasteurized
 incidence: 51/88*, conc. range: 0.01–0.04 µg/kg (51 sa, with a maximum of 0.22 µg/kg), country: UK⁷³⁵, *full fat
 incidence: 37/74*, conc. range: 0.01–0.04 µg/kg (37 sa, with a maximum of 0.03 µg/kg), country: UK⁷³⁵, *skimmed and semi-skimmed
 incidence: 50/324*, conc. range: 0.01–0.04 µg/kg (39 sa), 0.05–0.1 µg/kg (9 sa), >0.1 µg/kg (2 sa, with a maximum of 0.18 µg/kg), country: UK⁷³⁷, *farm
 incidence: 3/100* **, conc. range: 0.01–0.021 µg/kg, country: UK⁸⁴², *retail and farm-gate, **c and o
 see also butter, cheese, cheese (blue), gruel, ice cream, kidney (poultry), koshek, lactoserum powder, maize, milk, milk packets, milk powder, milk products, milk (buffalo), milk (camel), milk (goat), milk (human breast), milk (raw or dried, for infant formula), milk (sheep), milk (sheep/goat), milk (UHT), milk (whey powder), yogurt

AFATOXIN M₂

incidence: 25/52*, conc. range: 0.0003–0.0034 µg/l, Ø conc.: 0.00086 µg/l, country: Japan⁶¹⁶, *pasteurized
 see also gruel, milk powder, milk (goat), milk (human breast)

AFATOXINS (M₁, M₂)

incidence: 23/26*, conc. range: 0.1–1.43 µg/l, Ø conc.: 0.593 µg/l, country: USA¹²¹, *raw

CYCLOPIAZONIC ACID

incidence: 2/36, conc. range: 6.4–9.7 µg/l, Ø conc.: 8.1 µg/l, country: Brazil²⁸²
 see also cassava, cheese, maize, nuts (peanut), pulp (tomato), tomato purée

OCHRATOXIN A

incidence: 5/36, conc. range: 0.01–0.04 µg/l, country: Sweden⁵⁸⁰
 incidence: 6/40*, conc. range: 0.011–0.058 µg/l, country: Norway⁶⁶², *c
 incidence: 5/47*, conc. range: 0.015–0.028 µg/l, country: Norway⁶⁶², *o
 see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli),

spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Milk (goat) may contain the following mycotoxins:

AFLATOXIN M₁

incidence: 4/10*, conc. range: 0.011–0.02 µg/l (2 sa), 0.021–0.05 µg/l (2 sa), country:

Greece¹⁵⁰, *raw

incidence: 8/12*, conc. range: 0.005–0.01 µg/l (7 sa), 0.011–0.02 µg/l (1 sa), country:

Greece¹⁵⁰, *raw

see also butter, cheese, cheese (blue), gruel, ice cream, kidney (poultry), koskh, lactoserum powder, maize, milk, milk packets, milk powder, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (raw or dried, for infant formula), milk (sheep), milk (sheep/goat), milk (UHT), milk (whey powder), yogurt

AFLATOXIN M₂

incidence: 2/8, conc. range: nc, country:

India²¹⁴

see also gruel, milk powder, milk (cow), milk (human breast)

Milk (human breast) may contain the following mycotoxins:

AFLATOXICOL

incidence: 6/800*, conc. range: 0.014–0.27

µg/l, country: UK¹²⁷, *Sudan, Kenya, Ghana

AFLATOXIN B₁

incidence: 41/800*, conc. range: 0.15–55.792

µg/l, country: UK¹²⁷, *Sudan, Kenya, Ghana

incidence: 1/231, conc.: 0.0114 µg/l, country: Italy⁶⁶⁹

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips

(yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 10/800*, conc. range: 0.049–0.623

µg/l, country: UK¹²⁷, *Sudan, Kenya, Ghana

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals

(breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 4/800*, conc. range: 1.89–5.18 µg/l, country: UK¹²⁷, *Sudan, Kenya, Ghana
 incidence: 3/5*, conc. range: nc, country: UK²⁰⁰, *from The Gambia
 see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices

(garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXIN G₂

incidence: 3/800*, conc. range: 0.01–0.087 µg/l, country: UK¹²⁷, *Sudan, Kenya, Ghana
 see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), cocoa, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, maize, maize dough, nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), paste (soybean), popcorn, raisins, rice, sesame seeds, shoyu, soybeans, spices (cardamom), spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine

AFLATOXIN M₁

incidence: 11/73, conc. range: 0.028–1.031 µg/l, country: Australia⁴⁵
 incidence: 5/11*, conc. range: 0.039–1.736 µg/l, country: Australia⁴⁵, * from Thailand
 incidence: 6/64, conc. range: 0.014–0.051 µg/l, Ø conc.: 0.034 µg/l, country: Zimbabwe⁷⁹
 incidence: 253/800*, conc. range: 0.005–1.379 µg/l, country: UK¹²⁷, *Sudan, Kenya, Ghana
 incidence: 10/64, conc. range: 0.3–1.3 µg/l, country: UAE¹⁵¹
 incidence: 443/445*, conc. range: ≤3 µg/l, country: UAE¹⁵², *donors were from different countries
 incidence: 5/5*, conc. range: ≤0.0014 µg/l, country: UK²⁰⁰, *from Gambia
 incidence: 2/10, conc. range: 0.5–5 µg/l, Ø conc.: 2.75 µg/l, country: Egypt²²¹
 incidence: 138/388, conc. range: 0.0056–5.131 µg/l, country: Egypt⁵⁵⁸
 incidence: 1/50, conc.: 0.024 µg/l, country: Brazil⁶¹⁷

incidence: 129/140*, conc. range: ≤ 3.4 $\mu\text{g/l}$,
country: UAE⁶¹⁹, *and from different
countries

incidence: 1/231, conc.: 0.194 $\mu\text{g/l}$, country:
Italy⁶⁶⁹

incidence: 66/120, conc. range: 0.02–2.09
 $\mu\text{g/l}$, country: Egypt⁶⁷¹

see also butter, cheese, cheese (blue), gruel,
ice cream, kidney (poultry), koshek,
lactoserum powder, maize, milk, milk
packets, milk powder, milk products, milk
(buffalo), milk (camel), milk (cow), milk
(goat), milk (raw or dried, for infant
formula), milk (sheep), milk (sheep/goat),
milk (UHT), milk (whey powder), yogurt

AFATOXIN M₂

incidence: 103/800*, conc. range: 0.003–6.368
 $\mu\text{g/l}$, country: UK¹²⁷, *Sudan, Kenya, Ghana
see also gruel, milk powder, milk (cow), milk
(goat)

OCHRATOXIN A

incidence: 38/115, conc. range: 0.01–0.13
 $\mu\text{g/l}$, $\emptyset$ conc.: 0.037 $\mu\text{g/l}$, country: Norway²⁰⁹

incidence: 3/10, conc. range: 3–15 $\mu\text{g/l}$, $\emptyset$
conc.: 8.87 $\mu\text{g/l}$, country: Egypt²²¹

incidence: 2/100, conc. range: 3–3.6 $\mu\text{g/l}$, $\emptyset$
conc.: 3.3 $\mu\text{g/l}$, country: Australia²⁵⁵

incidence: 4/36, conc. range: 0.017–0.03 $\mu\text{g/l}$,
 $\emptyset$ conc.: 0.023 $\mu\text{g/l}$, country: Germany⁵⁷⁷

incidence: 4/40, conc. range: 0.01–0.04 $\mu\text{g/l}$,
country: Sweden⁵⁸⁰

incidence: 4/36, conc. range: 0.017–0.03 $\mu\text{g/l}$,
country: Germany⁵⁹⁷

incidence: 2/50, conc. range: 0.011–0.024
 $\mu\text{g/l}$, $\emptyset$ conc.: 0.018 $\mu\text{g/l}$, country: Brazil⁶¹⁷

incidence: 17/80, conc. range: 0.01–0.182
 $\mu\text{g/l}$, country: Norway⁶⁶³

incidence: 198/231, conc. range: 0.005–0.057
 $\mu\text{g/l}$, country: Italy⁶⁶⁹

incidence: 43/120, conc. range: 5.07–45.019
 $\mu\text{g/l}$, country: Egypt⁶⁷¹

incidence: 4/40, conc. range: 0.005–0.014
 $\mu\text{g/kg}$, $\emptyset$ conc.: 0.00725 $\mu\text{g/kg}$, country:
Switzerland⁶⁹²

see also barley, beans, beef, beer, berries
(strawberry), biscuits, bran, bran (barley),
bran (oat), bran (wheat), bread, buckwheat,

butter, cake (cocoa), cereal products, cereals,
cereals (breakfast), cheese, chicken, chicken
muscle, chocolate, chocolate and chocolate
cream, cocoa beans, cocoa mass, cocoa
powder, coffee, coffee beans (green), coppa,
copra, cr me puddings, currants, dates,
drink, drink (cocoa), drink (malt), drugs,
duck, extrudates, figs, fish, flakes (cereal),
flakes (corn), flakes (oat), flakes (wheat),
flour, flour (cassava), flour (maize), flour
(rye), flour (wheat), food, food (baby), food
(infant), fruits, fruits (apple), fruits (apricot),
fruits (cherry), fruits (peach), fruits (plum),
fruits (prune), germ (wheat), goose, grits,
grits (durum), grits (maize), groats (barley),
gruel, gruel (oat), ham, jam, joints, juice
(carrot), juice (currant), juice (fruit), juice
(grape), juice (tomato), kidney (pig), kidney
(poultry), kn ckebr d, lentils, linseeds,
liquorice, liquorice root, liver (cow), liver
(duck), liver (goose), liver (pig), liver
(turkey), maize, maize dough, malt, malt
(barley), meal (buckwheat), meal (cereal),
meal (maize), meal (rye), meal (spelt), meal
(wheat), meat and fish, milk (cow), millet,
muesli, must, noodles, nut slice, nuts, nuts
(almond), nuts (cashew), nuts (coconut),
nuts (hazelnut), nuts (peanut), nuts (peanut
butter), nuts (pistachio), nuts (walnut), oats,
oil (olive), oil (sesame), olives, pasta, pastries,
peas, pig blood, pig muscle, pig serum, pig
(black pudding), plant commodities,
popcorn, pork, pork pate, potatoes, products,
pulp (grape), pulses, pumpernickel, ragi,
raisins, rice, rolls, rusk, rye, sandwich, sauce,
sausages, sesame seeds, snacks, sorghum,
soybeans, spelt, spice powder, spices
(cardamom), spices (chilli), spices (chilli
pickle), spices (chilli powder), spices (chilli
sauce), spices (coriander), spices (curry),
spices (curry paste), spices (curry powder),
spices (fennel), spices (garlic pickle), spices
(ginger), spices (mustard), spices (nutmeg),
spices (paprika), spices (pepper), spices
(pepper, cayenne), spices (tandoori), spices
(turmeric), sultanas, sunflower seeds, tea,
tomato ketchup, tomatoes, turkey, vegetables,
vinegar, wheat, wine

Milk (raw or dried, for infant formula) may contain the following mycotoxins:

AFLATOXIN M₁

incidence: 18/26, conc. range: 0.032–0.132 µg/l, Ø conc.: 0.062 µg/l, country: Korea⁹⁶
 incidence: 4/62, conc. range: 0.02–0.05 µg/kg* (4 sa, with a maximum of 0.05 µg/kg), country: UK⁷³⁵, *on dry weight basis
 see also butter, cheese, cheese (blue), gruel, ice cream, kidney (poultry), koshek, lactoserum powder, maize, milk, milk packets, milk powder, milk products, milk (buffalo), milk (camel), milk (cow), milk (goat), milk (human breast), milk (sheep), milk (sheep/goat), milk (UHT), milk (whey powder), yogurt

Milk (sheep) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 2/8, conc. range: nc, country: India²¹⁴
 see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), millet, muesli, nut cocktail, nuts, nuts

(almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN M₁

incidence: 8/12*, conc. range: 0.005–0.01 µg/l (3 sa), 0.011–0.02 µg/l (3 sa), 0.021–0.05 µg/l (2 sa), country: Greece¹⁵⁰, *raw
 incidence: 11/15*, conc. range: 0.005–0.01 µg/l (6 sa), 0.011–0.02 µg/l (3 sa), 0.021–0.05 µg/l (1 sa), >0.05 µg/l (1 sa), country: Greece¹⁵⁰, *raw
 incidence: 2/8, conc. range: nc, country: India²¹⁴

incidence: 195/240*, conc. range: 0.002–0.108 µg/l, Ø conc.: 0.01536 µg/l, country: Italy²⁴⁵, *ewes milk

see also butter, cheese, cheese (blue), gruel, ice cream, kidney (poultry), koshek, lactoserum powder, maize, milk, milk packets, milk powder, milk products, milk (buffalo), milk (camel), milk (cow), milk (goat), milk (human breast), milk (raw or dried, for infant formula), milk (sheep/goat), milk (UHT), milk (whey powder), yogurt

Milk (sheep/goat) may contain the following mycotoxins:

AFLATOXIN M₁

incidence: 7/17*, conc. range: 0.006–0.031 µg/l, country: Italy⁴³⁶, *raw

see also butter, cheese, cheese (blue), gruel, ice cream, kidney (poultry), koshk, lactoserum powder, maize, milk, milk packets, milk powder, milk products, milk (buffalo), milk (camel), milk (cow), milk (goat), milk (human breast), milk (raw or dried, for infant formula), milk (sheep), milk (UHT), milk (whey powder), yogurt

Milk (UHT) may contain the following mycotoxins:

AFLATOXIN M₁

incidence: 14/47, conc. range: 0.02–0.1 µg/l, country: Italy¹⁹

incidence: 12/76*, conc. range: 0.02–0.04 µg/kg, country: Spain⁴¹, *includes 24 semiskimmed samples, all not contaminated
incidence: 14/17, conc. range: 0.005–0.01 µg/l (4 sa), 0.011–0.02 µg/l (6 sa), 0.021–0.05 µg/l (4 sa), country: Greece¹⁵⁰
incidence: 60/60, conc. range: >0–0.05 µg/l (7 sa), >0.05–0.125 µg/l (5 sa), >0.125–0.25 µg/l (12 sa), >0.25–0.5 µg/l (29 sa), >0.5 µg/l (7 sa), country: Thailand¹⁵⁵

incidence: 28/32, conc. range: 0.007–0.050 µg/l, country: Italy¹⁶⁸

incidence: 5/105, conc. range: 0.0141–0.0349 µg/l, country: Brazil¹⁸⁶

incidence: 17/18*, conc. range: 0.005–0.010 µg/l (2 sa), 0.011–0.020 µg/l (8 sa), 0.021–0.050 µg/l (6 sa), 0.059 µg/l (1 sa), country: Portugal²²³, *whole milk

incidence: 20/22*, conc. range: 0.011–0.020 µg/l (1 sa), 0.021–0.050 µg/l (18 sa), 0.061 µg/l (1 sa), country: Portugal²²³,

*semi-skimmed milk

incidence: 23/30*, conc. range: 0.005–0.010 µg/l (7 sa), 0.011–0.020 µg/l (16 sa), country: Portugal²²³, *skimmed milk

incidence: 9/12, conc. range: 0.01–0.05 µg/l (3 sa), 0.051–0.1 µg/l (4 sa), 0.101–0.2 µg/l (2 sa), ∅ conc.: 0.075 µg/l, country: Brazil²⁸²

incidence: 125/161, conc. range: 0.001–0.0235 µg/l, ∅ conc.: 0.0063 µg/l, country: Italy⁶¹³

incidence: 53/60, conc. range: 0.015–0.05 µg/l (36 sa), 0.05–0.5 µg/l (17 sa), country: Brazil⁶²⁰

see also butter, cheese, cheese (blue), gruel, ice cream, kidney (poultry), koshk, lactoserum powder, maize, milk, milk packets, milk powder, milk products, milk (buffalo), milk (camel), milk (cow), milk (goat), milk (human breast), milk (raw or dried, for infant formula), milk (sheep), milk (sheep/goat), milk (whey powder), yogurt

Milk (whey powder) may contain the following mycotoxins:

AFLATOXIN M₁

incidence: 28/74, conc. range: 0.5–6.5 µg/kg, country: France⁵⁰

incidence: 3/6, conc. range: <1–1 µg/kg, country: Germany⁸⁴⁶

see also butter, cheese, cheese (blue), gruel, ice cream, kidney (poultry), koshk, lactoserum powder, maize, milk, milk packets, milk powder, milk products, milk (buffalo), milk (camel), milk (cow), milk (goat), milk (human breast), milk (raw or dried, for infant formula), milk (sheep), milk (sheep/goat), milk (UHT), yogurt

Millet may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 17/30*, conc. range: 12–44 µg/kg, country: India⁴⁷⁶, *Kodon and Kutki

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri,

kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFATOXINS (B₁, B₂)

incidence: 9/9*, conc. range: 1–27 µg/kg, Ø conc.: 9.8 µg/kg, country: The Gambia⁷², *(*Pennisetum typhoideum*, Sanyo)
see also flour (maize), maize, meal (protein supplement), rice, spices

AFATOXINS

incidence: 9*/55, conc. range: 1–100 µg/kg, country: Uganda², *6 sa contained AFB₁, 4 AFB₂, 2 AFG₁, 1 AFG₂
see also beans, candy (peanut), candy (pistachio), cassava, figs, flour (maize), grain mixtures, grains, maize, maize dough, maize

products, melon seeds, nuts, nuts (almond), nuts (brazil), nuts (peanut), nuts (peanut butter), nuts (peanut mix), nuts (peanut products), nuts (pecan), nuts (pistachio), nuts (walnut), nuts and seeds, paste (peanut), paste (pipian), peas, rice, sauce (leaf), snacks, sorghum, spices, spices (chilli), spices (cumin), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper), spices (tandoori), teff, tubers, wheat

DEOXYNIVALENOL

incidence: 1/4*, conc.: 229 µg/kg, country: Korea⁵⁰⁹, *Indian

see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

NIVALENOL

incidence: 1/4*, conc.: 340 µg/kg, country: Korea⁵⁰⁹, *Indian

see also barley, beer, biscuits, bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, germ (wheat), grits (maize), grits (wheat), Job's-tears, maize, malt (barley), meal (millet), noodles, oat products, oats, rice, rye, snacks, sorghum, soybeans, spices (chilli sauce), spices (curry), spices (curry paste), spices (curry powder), spices (garlic), spices (ginger), spices (tandoori), wheat

OCHRATOXIN A

incidence: 33/33, conc. range: 17–204 µg/kg, country: Côte d'Ivoire⁶⁴²

incidence: 23/26, conc. range: $\leq 0.831 \mu\text{g/kg}$,
 Ø conc.: $0.111 \mu\text{g/kg}$, country: Germany⁶⁹⁰

see also barley, beans,

beef, beer, berries (strawberry), biscuits,
 bran, bran (barley), bran (oat), bran (wheat),
 bread, buckwheat, butter, cake (cocoa),
 cereal products, cereals, cereals (breakfast),
 cheese, chicken, chicken muscle, chocolate,
 chocolate and chocolate cream, cocoa beans,
 cocoa mass, cocoa powder, coffee, coffee
 beans (green), coppa, copra, crème puddings,
 currants, dates, drink, drink (cocoa),
 drink (malt), drugs, duck, extrudates, figs,
 fish, flakes (cereal), flakes (corn), flakes (oat),
 flakes (wheat), flour, flour (cassava), flour
 (maize), flour (rye), flour (wheat), food, food
 (baby), food (infant), fruits, fruits (apple),
 fruits (apricot), fruits (cherry), fruits (peach),
 fruits (plum), fruits (prune), germ (wheat),
 goose, grits, grits (durum), grits (maize),
 groats (barley), gruel, gruel (oat), ham,
 jam, joints, juice (carrot), juice (currant),
 juice (fruit), juice (grape), juice (tomato),
 kidney (pig), kidney (poultry), knäckebröd,
 lentils, linseeds, liquourice, liquourice root,
 liver (cow), liver (duck), liver (goose), liver
 (pig), liver (turkey), maize, maize dough,
 malt, malt (barley), meal (buckwheat),
 meal (cereal), meal (maize), meal (rye), meal
 (spelt), meal (wheat), meat and fish, milk
 (cow), milk (human breast), muesli, must,
 noodles, nut slice, nuts, nuts (almond), nuts
 (cashew), nuts (coconut), nuts (hazelnut),
 nuts (peanut), nuts (peanut butter), nuts
 (pistachio), nuts (walnut), oats, oil (olive),
 oil (sesame), olives, pasta, pastries, peas,
 pig blood, pig muscle, pig serum, pig (black
 pudding), plant commodities, popcorn, pork,
 pork pate, potatoes, products, pulp (grape),
 pulses, pumpernickel, ragi, raisins, rice, rolls,
 rusk, rye, sandwich, sauce, sausages, sesame
 seeds, snacks, sorghum, soybeans, spelt, spice
 powder, spices (cardamom), spices (chilli),
 spices (chilli pickle), spices (chilli powder),
 spices (chilli sauce), spices (coriander), spices
 (curry), spices (curry paste), spices (curry
 powder), spices (fennel), spices (garlic pickle),
 spices (ginger), spices (mustard), spices

(nutmeg), spices (paprika), spices (pepper),
 spices (pepper, cayenne), spices (tandoori),
 spices (turmeric), sultanas, sunflower
 seeds, tea, tomato ketchup, tomatoes,
 turkey, vegetables, vinegar, wheat, wine

Millet meal

see Meal (millet)

Mozzarella cheese

see Cheese

Muesli may contain the following
 mycotoxins:

AFLATOXIN B₁

incidence: 4*/14, conc. range: 20–120 $\mu\text{g/kg}$,
 country: Germany⁶⁷, *moldy

see also acha, areca nut, bacon, barley, beans,
 beefburger, beer, betel nut, bondakaledkai,
 bread, buckwheat, butter, cassava, cereals,
 cereals (breakfast), cheese, chestnut, chips
 (yam), chocolate, cocoa, cocoa beans, cocoa
 hazelnut cream, coffee beans (green), coix
 seed, congressbele, cottonseed, cowpeas,
 dates, drinks, figs, fish, flakes (corn), flour,
 flour (gram), flour (maize), flour (wheat),
 food, food (infant), fruits products, fruits
 (apricot), fruits (lemon), fruits (mango), Ga
 Kenkey, gram, grits (maize), gruel, herbs and
 medicinal plants, hot dog, Incaparina, jam
 (bean), Job's-tears, jowar, juice (apple), kheri,
 kidney (hare), kidney (pheasant), kidney (roe
 deer), kubeba, legume, lentils, linseeds, liver
 (hare), liver (pheasant), liver (pig), liver (roe
 deer), maize, maize and bran, maize dough,
 maize products, marzipan (almond paste),
 mchuzi mix, meal (cottonseed), meal
 (maize), meal (peanut), meal (pistachio),
 meal (posho), meat (luncheon), meju, melon
 seeds, milk products, milk (buffalo), milk
 (camel), milk (cow), milk (human breast),
 milk (sheep), millet, nut cocktail, nuts, nuts
 (almond), nuts (brazil), nuts (cashew), nuts
 (coconut), nuts (coconut products), nuts
 (grogannut), nuts (hazelnut), nuts (peanut),
 nuts (peanut brittle), nuts (peanut butter),
 nuts (peanut products), nuts (pecan), nuts

(pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

DEOXYNIVALENOL

incidence: 2/2, conc. range: 10–30 µg/kg, country: Germany⁴³²

see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

OCHRATOXIN A

incidence: 71/115, conc. range: ≤31.8 µg/kg, country: Germany⁵⁹²

incidence: 2/7, conc. range: 0.2–0.49 µg/kg (1 sa), 0.5–1.49 µg/kg (1 sa), country:

Germany⁶²³

incidence: 5/50*, conc. range: 1–5 µg/kg (5 sa, with a maximum of 3.9 µg/kg), country: UK⁶³⁶, *and from different countries?

incidence: 2/26, conc.: 0.4–0.5 µg/kg, Ø conc.: 0.5 µg/kg, country: Germany⁶⁴⁰

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquourice, liquourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard),

spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Münster cheese

see Cheese

Muffin mix may contain the following mycotoxins:

FUMONISIN B₁
incidence: 2/3* **, conc. range: 170–1210 µg/kg, Ø conc.: 690 µg/kg, country: USA³⁸⁴, *maize-based, **includes one yellow maize sa
incidence: 1/2, conc.: 80 µg/kg, country: USA⁴¹⁰

see also arepas, asparagus, barley, batter, beans, beer, bran (maize), bread, cake (rice), cereals, cereals (breakfast), chamomile, chips (maize), chips (tortilla), flakes (corn), flour (maize), food, food (baby), foodstuff, grits (maize), Incaparina, leaves, maize, maize fiber, maize muffin, maize products, maize silk, maize starch, masa, meal (maize), meal (sorghum), milk, nuts (peanut), pancake, popcorn, rapoko, rice, snacks, sorghum, soybeans, syrup (sorghum), tea, tortillas, wheat

FUMONISIN B₂
incidence: 1/2, conc.: 10 µg/kg, country: USA⁴¹⁰

see also arepas, asparagus, barley, batter, beer, bran (maize), cereals, cereals (breakfast), chips (maize), chips (tortilla), flakes (corn), flour (maize), food (baby), foodstuff, grits (maize), Incaparina, maize, maize fiber, maize starch, masa, meal (maize), pancake, popcorn, rice, snacks, tortillas, wheat

FUMONISIN
incidence: 6?/6, conc. range: 450–1450 µg/kg, country: USA³⁵⁷

see also beer, bread, cereal (infant), chips (tortilla), flakes (corn), flour (maize), grits (maize), maize, maize pops cereal, maize

products, maize starch, maize (infant cream corn), meal (maize), pasta, popcorn, porridge, products, sorghum, tortillas

Mulberries

see Berries (mulberry)

Mung beans

see Beans

Must may contain the following mycotoxins:

OCHRATOXIN A
incidence: 2/20*, conc. range: 0.06–0.18 µg/l, Ø conc.: 0.13 µg/l, country: Spain²⁶⁹, *white and red

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquourice, liquourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts

(pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

PATULIN

incidence: 21/55, conc. range: ≤ 230 µg/l, country: Germany⁶⁹³

see also apple cider, apple flavor, apples (stewed fruit), berries (blueberry), berries (lingonberry), berries (mulberry), berries (raspberry), berries (strawberry), cassava, cheese, food (baby), fruit products, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (pear), fruits (plum), jam, jam (apple), juice, juice (apple), juice (apple-acerola), juice (apple, concentrate), juice (cherry), juice (currant), juice (fruit), juice (grape), juice (orange), juice (peach), juice (pear), pulp (plum), syrup (apple), vinegar

Mustard

see Spices (mustard)

Mustard oil

see Oil (mustard)

Nixtamalized corn

see Maize

Njenga

see Maize

Noodles may contain the following mycotoxins:

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 1/4*, conc.: 0.4 µg/kg, country: UK⁷³², *wheat

see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (fig), peas, phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

DEOXYNIVALENOL

incidence: 1/2, conc.: 60 µg/kg, country: Germany⁴³²

incidence: 27/29, conc. range: 15–1670 µg/kg,

Ø conc.: 158 µg/kg, country: Germany⁵¹⁷

incidence: ?/4*, conc. range: 11–92 µg/kg, country: UK⁷³², *wheat

incidence: 1/3*, conc.: 470 µg/kg, country:

Turkey⁸⁶³, *macaroni, home made

see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum,

soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

15-ACETYLDEOXYNIVALENOL

incidence: 1/2, conc.: 60 µg/kg, country: Germany⁴³²

incidence: 1/29, conc.: 280 µg/kg, country: Germany⁵¹⁷

see also barley, bran (oat), bran (wheat), cereals (breakfast), flour (maize), flour (wheat), food, grits (maize), maize, oat products, oats, snacks, wheat

FUMONISINS (B₁, B₂)

incidence: 1/4*, conc.: 26 µg/kg, country: UK⁷³², *wheat

see also beer, flour (maize), food (infant), maize, meal (maize), rice, spice powder, spices (chilli pickle), spices (curry), spices (curry paste), spices (curry powder), spices (tandoori)

HT-2 TOXIN

incidence: 8/29, conc. range: 12–25 µg/kg, Ø conc.: 13 µg/kg, country: Germany⁵¹⁷

see also barley, bran (oat), bran (wheat), bread, cereal (baby), cereals, cereals (breakfast), flakes (oat), flour (maize), flour (wheat), food, food (baby), germ (wheat), grits (maize), groats (oat), maize, nuts (hazelnut), oat products, oats, products, pumpkin seeds, rye, spices (chilli powder), spices (curry), sunflower seeds, wheat

NIVALENOL

incidence: 1/29, conc.: 52 µg/kg, country: Germany⁵¹⁷

incidence: ?/4*, conc. range: 14–26 µg/kg, country: UK⁷³², *wheat

see also barley, beer, biscuits, bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, germ (wheat), grits (maize), grits (wheat), Job's-tears, maize, malt (barley), meal (millet), millet, oat products, oats, rice, rye, snacks, sorghum, soybeans, spices (chilli sauce), spices (curry), spices (curry paste), spices (curry powder), spices (garlic), spices (ginger), spices (tandoori), wheat

OCHRATOXIN A

incidence: 1/16, conc.: 0.1–0.3 µg/kg, country: Taiwan⁶⁰⁷

incidence: 1/4*, conc.: 0.2 µg/kg, country: UK⁷³², *wheat

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquorice, liquorice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices

(curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Nutmeg

see Spices (nutmeg)

Nut butter

see Butter

Nut cereals may contain the following mycotoxins:

AFLATOXINS (TOTAL)

incidence: 1/1*, conc.: $\approx 2.2 \mu\text{g/kg}$, country: Poland¹¹⁰, * imported

see also beans, butter, figs, maize, nuts (almond), nuts (brazil), nuts (cashew), nuts ("chico-felix"), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), paste (fig), rice, sunflower seeds

Nut cocktail may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 1/1*, conc.: $0.29 \mu\text{g/kg}$, country: Spain²⁶¹, * imported?

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri,

kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN G₁

incidence: 1/1*, conc.: $0.47 \mu\text{g/kg}$, country: Spain²⁶¹, * imported?

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products),

nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

Nut slice may contain the following mycotoxins:

OCHRATOXIN A

incidence: 1/1, conc.: 1.3 µg/kg, country: Germany⁶⁴⁰

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nuts, nuts (almond), nuts (cashew),

nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Nuts may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 2/10* **, conc. range: 10–93 µg/kg, Ø conc.: 51.5 µg/kg, country: Finland¹³⁸,

*imported, **mixed

incidence: 8/167* **, conc. range: ≤2.3 µg/kg, country: USSR¹⁹¹, *imported, **almonds and cashews

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe

deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 1/10*, conc.: 29 µg/kg, country: Finland¹³⁸, *imported, **mixed

incidence: 1/16*, conc.: tr, country:

Norway¹⁹⁸, *imported, **mixed

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts

(almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 1/16*, conc.: tr, country:

Norway¹⁹⁸, *imported, **mixed

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXIN G₂

incidence: 1/16*, conc.: tr, country:

Norway¹⁹⁸, *imported, **mixed

see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), cocoa, figs,

fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, maize, maize dough, milk (human breast), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), paste (soybean), popcorn, raisins, rice, sesame seeds, shoyu, soybeans, spices (cardamom), spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine

AFATOXINS (B₁, B₂, G₁, G₂)

incidence: 12/35*, conc. range: 2–276 µg/kg, country: Australia¹³, *includes nuts and nut products

see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (fig), peas, phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

AFATOXINS

incidence: 1/5*, conc.: 6 µg/kg, country: Qatar¹, *most of the sa from Iran, Syria, Turkey, USA, **mixed

incidence: 1/3, conc.: 7 µg/kg, country: USA¹⁹⁷, **mixed

incidence: 3/29, conc. range: 6–10 µg/kg (2 sa), >50 µg/kg (1 sa), country: Malaysia³⁹¹

see also beans, candy (peanut), candy (pistachio), cassava, figs, flour (maize), grain

mixtures, grains, maize, maize dough, maize products, melon seeds, millet, nuts (almond), nuts (brazil), nuts (peanut), nuts (peanut butter), nuts (peanut mix), nuts (peanut products), nuts (pecan), nuts (pistachio), nuts (walnut), nuts and seeds, paste (peanut), paste (pipian), peas, rice, sauce (leaf), snacks, sorghum, spices, spices (chilli), spices (cumin), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper), spices (tandoori), teff, tubers, wheat

OCHRATOXIN A

incidence: 26/125*, conc. range: ≤0.27 µg/kg, country: Germany⁵⁹², *different

see also barley, beans,

beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas,

pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Nuts (almond) may contain the following mycotoxins:

AFATOXIN B₁

incidence: 15/19*, conc. range: 0.5–5 µg/kg (14 sa), 6 µg/kg (1 sa), country: UK⁶⁰,

*ground

incidence: 19*/23**, conc. range: 39–4000 µg/kg, country: Germany⁶⁷, *moldy, **sweet

incidence: 1/184* **, conc.: tr, country:

Finland¹³⁸, *sliced and crushed, **imported

incidence: 1/6* **, conc.: 67 µg/kg, country:

Finland¹³⁸, *bitter, **imported

incidence: 1/110*, conc.: 93 µg/kg, country:

Finland¹³⁸, *imported

incidence: 1/3, conc.: 5566.6 µg/kg, country: Egypt¹⁴⁴

incidence: 26/29*, conc. range: 0.05–0.1

µg/kg (5 sa), 0.11–1 µg/kg (8 sa), 1.1–5 µg/kg (8 sa), 5.1–10 µg/kg (2 sa), 11–40 µg/kg (3 sa), Ø conc.: 3.4 µg/kg, country: France³⁹⁷, *ground and powdered

incidence: 2/6, conc. range: 0.05–0.1 µg/kg (1 sa), 0.11–1 µg/kg (1 sa), Ø conc.: 0.15 µg/kg, country: France³⁹⁷

incidence: 1/34, conc.: 95 µg/kg, country: Spain⁴⁸⁸

incidence: 2/6*, conc. range: 25–71 µg/kg, Ø conc.: 48 µg/kg, country: India⁸⁰², *cuddapah

incidence: 3/8, conc. range: 18–194 µg/kg, country: India⁸⁰²

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 1/6*, conc.: 5 µg/kg, country: Finland¹³⁸, *bitter, **imported
 incidence: 1/110*, conc.: 14 µg/kg, country: Finland¹³⁸, *imported
 incidence: 1/34, conc.: 15 µg/kg, country: Spain⁴⁸⁸
 incidence: 1/6*, conc.: 17 µg/kg, country: India⁸⁰², *cuddapah
 incidence: 2/8, conc. range: 20–125 µg/kg, Ø conc.: 72.5 µg/kg, country: India⁸⁰²
 see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 1/6*, conc.: 25 µg/kg, country: India⁸⁰², *cuddapah
 incidence: 2/8, conc. range: 19–30 µg/kg, Ø conc.: 24.5 µg/kg, country: India⁸⁰²
 see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina,

Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 2/78, conc. range: 5–9.9 µg/kg (1 sa), >25 µg/kg (1 sa), country: Canada⁵⁹
 incidence: 15/19* **, conc. range: 0.5–5 µg/kg (13 sa), 6–10 µg/kg (2 sa), with a maximum of 10 µg/kg, country: UK⁶⁰, *ground, **imported
 incidence: 1/4*, conc.: 0.8 µg/kg, country: UK⁷³², *imported
 see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (fig), peas, phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

AFLATOXINS (TOTAL)

incidence: 1/2*, conc.: ≈ 2.1 , country:

Poland¹¹⁰, *imported

incidence: 1/1*, conc.: ≈ 0.9 , country:

Poland¹¹⁰, *from California

see also beans, butter, figs, maize, nut cereals, nuts (brazil), nuts (cashew), nuts ("chico-felix"), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), paste (fig), rice, sunflower seeds

AFLATOXINS

incidence: 1/5, conc.: 10 $\mu\text{g/kg}$, country:

USA¹⁹⁷

see also beans, candy (peanut), candy (pistachio), cassava, figs, flour (maize), grain mixtures, grains, maize, maize dough, maize products, melon seeds, millet, nuts, nuts (brazil), nuts (peanut), nuts (peanut butter), nuts (peanut mix), nuts (peanut products), nuts (pecan), nuts (pistachio), nuts (walnut), nuts and seeds, paste (peanut), paste (pipian), peas, rice, sauce (leaf), snacks, sorghum, spices, spices (chilli), spices (cumin), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper), spices (tandoori), teff, tubers, wheat

OCHRATOXIN A

incidence: 1/12, conc. range: 0.2–0.49 $\mu\text{g/kg}$, country: Germany⁶²³

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits,

grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

RUBRATOXIN

incidence: 1/6*, conc.: 310 $\mu\text{g/kg}$, country:

India⁸⁰², *cuddapah

see also nuts (walnut), spices (turmeric), wheat

STERIGMATOCYSTIN

incidence: 2/8, conc. range: 96–130 $\mu\text{g/kg}$, $\emptyset$ conc.: 113 $\mu\text{g/kg}$, country: India⁸⁰²

see also barley, cassava, cheese, coffee, maize, nuts (pecan), nuts (pistachio), oil seed rape, rice, spices, spices (fennel), spices (pepper), wheat

ZEARALENONE

incidence: 1/6*, conc.: pr, country: India⁸⁰²,
*cuddapah

incidence: 1/8, conc.: pr, country: India⁸⁰²

see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Nuts (Brazil) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 5/23* **, conc. range: 0.5–5 µg/kg (4 sa), 33 µg/kg (1 sa), country: UK⁶⁰,
*imported, **in-shell

incidence: 10/51, conc. range: 8.3–20 µg/kg, Ø conc.: 14.1 µg/kg, country: Cyprus⁷⁴

incidence: 1/4, conc.: 10.2 µg/kg, country: Japan⁹⁹

incidence: 16/27*, conc. range: 3–4200 µg/kg, Ø conc.: 500.2 µg/kg, country: Norway¹⁹⁸,
*imported

incidence: 1/2*, conc.: 26 µg/kg, country: Brazil⁷²³, *ground

incidence: 4/12*, conc. range: LOQ–2 µg/kg (4 sa, with a maximum of 0.8 µg/kg), country: UK⁸³⁴, *imported

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips

(yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 10/51, conc. range: 1.1 µg/kg, Ø conc.: 1.1 µg/kg, country: Cyprus⁷⁴

incidence: 1/4, conc.: 0.8 µg/kg, country: Japan⁹⁹

incidence: 16/27*, conc. range: tr–1600 µg/kg, country: Norway¹⁹⁸, *imported

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 10/51, conc. range: 2.3–9.4 µg/kg, Ø conc.: 5.8 µg/kg, country: Cyprus⁷⁴

incidence: 1/4, conc.: 3.2 µg/kg, country: Japan⁹⁹

incidence: 16/27*, conc. range: 2–3250 µg/kg, Ø conc.: 478.2 µg/kg, country: Norway¹⁹⁸, *imported

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts

(almond), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXIN G₂

incidence: 1/4, conc.: 0.3 µg/kg, country: Japan⁹⁹

incidence: 16/27*, conc. range: tr–600 µg/kg, country: Norway¹⁹⁸, *imported

see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), cocoa, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, maize, maize dough, milk (human breast), nuts, nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), paste (soybean), popcorn, raisins, rice, sesame seeds, shoyu, soybeans, spices (cardamom), spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 31/69*, conc. range: 6–10 µg/kg (1 sa), 11–20 µg/kg (3 sa), 21–50 µg/kg (1 sa), 51–100 µg/kg (3 sa), 101–1000 µg/kg (7 sa), 1001–10,000 µg/kg (11 sa), >10,000 µg/kg (5 sa), country: Sweden¹⁶¹, *imported; edible, possibly edible and inedible nuts
incidence: 3/3*, conc. range: 10.1–20 µg/kg (2 sa), 150 µg/kg (1 sa), country: UK⁷³⁹, *port sa

see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (fig), peas, phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

AFLATOXINS (TOTAL)

incidence: 5/23*, conc. range: 0.5–5 µg/kg (3 sa), 6–10 µg/kg (1 sa), 60 µg/kg (1 sa), country: UK⁶⁰, *in-shell

see also beans, butter, figs, maize, nut cereals, nuts (almond), nuts (cashew), nuts (“chico-felix”), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), paste (fig), rice, sunflower seeds

AFLATOXINS

incidence: 6/12*, conc. range: ≤42 µg/kg, Ø conc.: 20 µg/kg, country: USA¹⁹⁷, *shelled

see also beans, candy (peanut), candy (pistachio), cassava, figs, flour (maize), grain mixtures, grains, maize, maize dough, maize products, melon seeds, millet, nuts, nuts (almond), nuts (peanut), nuts (peanut butter), nuts (peanut mix), nuts (peanut products), nuts (pecan), nuts (pistachio), nuts (walnut), nuts and seeds, paste (peanut), paste (pipian), peas, rice, sauce (leaf), snacks, sorghum, spices, spices (chilli), spices (cumin), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper), spices (tandoori), teff, tubers, wheat

Nuts (cashew) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 1*/6, conc.: 830 µg/kg, country: Germany⁶⁷, *moldy

incidence: 1/8*, conc.: 10 µg/kg, country: Brazil⁷²³, *ground

incidence: 3/7, conc. range: 20–190 µg/kg, country: India⁸⁰²

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job’s-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices

(fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 2/7, conc. range: 15–161 µg/kg, Ø conc.: 88 µg/kg, country: India⁸⁰²

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 1/8*, conc.: 15 µg/kg, country: Brazil⁷²³, *ground

incidence: 2/7, conc. range: 18–72 µg/kg, Ø conc.: 45 µg/kg, country: India⁸⁰²

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina,

Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXIN G₂

incidence: 1/7, conc.: 20 µg/kg, country: India⁸⁰²

see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), cocoa, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, maize, maize dough, milk (human breast), nuts, nuts (brazil), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), paste (soybean), popcorn, raisins, rice, sesame seeds, shoyu, soybeans, spices (cardamom), spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 23/120, conc. range: 5–24.9 µg/kg (19 samples), >25 µg/kg (4 sa), country: Canada⁵⁹

incidence: 1/3*, conc.: tr, country: Norway¹⁹⁸, *imported

see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices,

lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (fig), peas, phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

AFLATOXINS (TOTAL)

incidence: 1/3*, conc.: ≈ 2.7 , country:

Poland¹¹⁰, * imported

see also beans, butter, figs, maize, nut cereals, nuts (almond), nuts (brazil), nuts ("chico-felix"), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), paste (fig), rice, sunflower seeds

CITRININ

incidence: 1/7, conc.: 40 $\mu\text{g}/\text{kg}$, country:

India⁸⁰²

see also angkak (red mold rice), barley, cereals, cheese, food, food colorant, fruits (apple), maize, maize dough, meal (copra), nuts (coconut), nuts (grogannut), nuts (peanut), oil seed rape, olives, rice, spices, spices (cardamom), spices (coriander), spices (cumin), spices (fennel), spices (pepper), spices (turmeric), wheat

OCHRATOXIN A

incidence: 2/7, conc. range: pr, country:

India⁸⁰²

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, cr me puddings,

currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), kn ckebr d, lentils, linseeds, liquourice, liquourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Nuts ("chico-felix") may contain the following mycotoxins:

AFLATOXINS (TOTAL)

incidence: 1/5*, conc.: ≈ 3.7 $\mu\text{g}/\text{kg}$, country:

Poland¹¹⁰, * imported?

see also beans, butter, figs, maize, nut cereals, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), paste (fig), rice, sunflower seeds

Nuts (coconut) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 5/25, conc. range: 15–25 µg/kg,

country: Egypt⁴⁹¹

incidence: 5/9, conc. range: 28–260 µg/kg,

country: India⁸⁰²

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (chashew), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas,

poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 52/9, conc. range: 15–109 µg/kg,

country: India⁸⁰²

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 52/9, conc. range: 12–75 µg/kg,

country: India⁸⁰²

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast),

cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFATOXIN G₂

incidence: 2/9, conc. range: 20–68 µg/kg, Ø

conc.: 44 µg/kg, country: India⁸⁰²

see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), cocoa, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, maize, maize dough, milk (human breast), nuts, nuts (brazil), nuts (cashew), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), paste (soybean), popcorn, raisins, rice, sesame seeds, shoyu, soybeans, spices (cardamom), spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine

CITRININ

incidence: 4/9, conc. range: 5–60 µg/kg,

country: India⁸⁰²

see also angkak (red mold rice), barley, cereals, cheese, food, food colorant, fruits (apple), maize, maize dough, meal (copra),

nuts (cashew), nuts (grogannut), nuts (peanut), oil seed rape, olives, rice, spices, spices (cardamom), spices (coriander), spices (cumin), spices (fennel), spices (pepper), spices (turmeric), wheat

OCHRATOXIN A

incidence: 3/25, conc. range: 50–205 µg/kg,

country: Egypt⁴⁹¹

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice

powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Nuts (coconut products) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 7/25, conc. range: 0.05–0.1 µg/kg (7 sa), Ø conc.: 0.07 µg/kg, country: France³⁹⁷
see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts

(pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

Nuts (grogannut) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 3/9, conc. range: 20–150 µg/kg, country: India⁸⁰²
see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast),

milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 2/9, conc. range: 15–75 µg/kg, ∅ conc.: 45 µg/kg, country: India⁸⁰²
 see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices

(cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 2/9, conc. range: 16–76 µg/kg, ∅ conc.: 46 µg/kg, country: India⁸⁰²
 see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXIN G₂

incidence: 1/9, conc.: 10 µg/kg, country: India⁸⁰²
 see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), cocoa, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, maize, maize dough, milk (human breast), nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), paste (soybean), popcorn, raisins, rice, sesame seeds, shoyu, soybeans, spices (cardamom), spices (chilli), spices (coriander), spices

(cumin), spices (fennel), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine

CITRININ

incidence: 2/9, conc. range: 4–20 µg/kg, Ø conc.: 12 µg/kg, country: India⁸⁰²

see also angkak (red mold rice), barley, cereals, cheese, food, food colorant, fruits (apple), maize, maize dough, meal (copra), nuts (cashew), nuts (coconut), nuts (peanut), oil seed rape, olives, rice, spices, spices (cardamom), spices (coriander), spices (cumin), spices (fennel), spices (pepper), spices (turmeric), wheat

Nuts (hazelnut) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 1/3*, conc.: 0.6 µg/kg, country: UK⁶⁰, *shelled

incidence: 2/18*, conc. range: ≤0.7 µg/kg (2 sa), country: UK⁶⁰, in-shelled

incidence: 18/29*, conc. range: 5–50,000 µg/kg, country: Germany⁶⁷, *moldy

incidence: 1/199*, conc.: 325 µg/kg, country: Finland¹³⁸, *imported

incidence: 1/5*, conc.: 0.42 µg/kg, country: Spain²⁶¹, *partly imported

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe

deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 1/199*, conc.: 29 µg/kg, country: Finland¹³⁸, *imported

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut),

nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 1/5*, conc.: 0.52 µg/kg, country: Spain²⁶¹, *partly imported

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 3/35*, conc. range: 6–10 µg/kg, country: Sweden¹⁶¹, *imported; edible, possibly edible and inedible nuts
incidence: 18/20, conc. range: 25–175 µg/kg, country: Egypt⁴⁹⁰
see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour

(maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (fig), peas, phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

AFLATOXINS (TOTAL)

incidence: 1/1*, conc.: ≈3.1, country: Poland¹¹⁰, * imported?

see also beans, butter, figs, maize, nut cereals, nuts (almond), nuts (brazil), nuts (cashew), nuts ("chico-felix"), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), paste (fig), rice, sunflower seeds

HT-2 TOXIN

incidence: 1/5, conc.: 5 µg/kg, country: Germany⁵²⁰

see also barley, bran (oat), bran (wheat), bread, cereal (baby), cereals, cereals (breakfast), flakes (oat), flour (maize), flour (wheat), food, food (baby), germ (wheat), grits (maize), groats (oat), maize, noodles, oat products, oats, products, pumpkin seeds, rye, spices (chilli powder), spices (curry), sunflower seeds, wheat

OCHRATOXIN A

incidence: 19/32, conc. range: ≤0.08 µg/kg, country: Germany⁵⁹²

incidence: 2/11, conc. range: 0.1–0.19 µg/kg (1 sa), 0.5–12.49 µg/kg (1 sa), country: Germany⁶²³

incidence: 3/57, conc. range: 1.8–4.7 µg/kg, country: Germany⁶⁴⁰

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat,

butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

T-2 TOXIN

incidence: 1/5, conc.: 6 µg/kg, country: Germany⁵²⁰

see also barley, beans, beer, bran (oat), bran (wheat), bread, cereals, cereals (breakfast), flakes (oat), flour, flour (maize), flour (wheat), food, grits (maize), maize, nuts (peanut), oat products, oats, rice, rye, sorghum, spices (curry), spices (ginger), spices (tandoori), sunflower seeds, wheat

ZEARALENONE

incidence: 1/5, conc.: 6 µg/kg, country: Germany⁵²⁰

see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Nuts (peanut) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 26/86, conc. range: 10–2000 µg/kg,

Ø conc.: 420.4 µg/kg, country: Brazil⁸

incidence: 926/2062, conc. range: >5–833 µg/kg, contry: India¹⁷

incidence: 4/65, conc. range: 6–46 µg/kg, country: Tunisia²⁰

incidence: 48/171*, conc. range: 6–10 µg/kg (2 sa), 11–25 µg/kg (9 sa), 26–50 µg/kg (7 sa), 51–100 µg/kg (11 sa), 101–200 µg/kg (11

sa), 201–300 µg/kg (3 sa), 301–400 µg/kg (4 sa), >400 µg/kg (1 sa), country: UK²⁴, * from different countries

incidence: 10/32, conc. range: 8–100 µg/kg, Ø conc.: 35.6 µg/kg, country: Germany³⁹, * from Mozambique

incidence: 3/32, conc. range: 5.6–6.2 µg/kg, Ø conc.: 6 µg/kg, country: Germany³⁹, * from Mozambique

incidence: 3/40, conc. range: 98–1056 µg/kg, country: Egypt⁴³

incidence: 37/190*, conc. range: 6.5–<26 µg/kg, country: Egypt⁴⁴, *in-shell

incidence: 76/155*, conc. range: 6.5–<52 µg/kg, country: Egypt⁴⁴, *shelled

incidence: 2/58*, conc. range: 52–<104 µg/kg, country: Egypt⁴⁴, *roasted

incidence: 208/515, conc. range: 1–10 µg/kg (28 sa), >10–20 µg/kg (85 sa), >20–50 µg/kg (10 sa), >50–100 µg/kg (6 sa), >100–500 µg/kg (23 sa), >500–2000 µg/kg (31 sa), >2000 µg/kg (25 sa), country: Cuba⁴⁷

incidence: 3/17*, conc. range: 0.5–≤3 µg/kg, country: UK⁶⁰, *chocolate-coated

incidence: 3/14* **, conc. range: 0.5–≤5 µg/kg, country: UK⁶⁰, *dry roasted, **imported

incidence: 12/12* **, conc. range: 0.5–5 µg/kg (9 sa), 11–30 µg/kg (2 sa), 2520 µg/kg (1 sa), country: UK⁶⁰, *in-shell, raw, **imported

incidence: 5/8* **, conc. range: 0.5–3 µg/kg (2 sa), 88 µg/kg (1 sa), country: UK⁶⁰, *shelled, raw, **imported

incidence: 5/13* **, conc. range: 0.5–5 µg/kg (4 sa), 9 µg/kg (1 sa), country: UK⁶⁰,

*in-shell, roasted, **imported

incidence: 3/17* **, conc. range: 0.5–5 µg/kg (2 sa), 6 µg/kg (1 sa), country: UK⁶⁰,

*roasted, **imported

incidence: 2/6, conc. range: 3.6–5.4 µg/kg, country: Egypt⁶²

incidence: 46/62*, conc. range: 20–28,000 µg/kg, country: Germany⁶⁷, *moldy

incidence: 11/812, conc. range: 5–20 µg/kg, country: Germany⁶⁷, *from South Africa

incidence: 5/94, conc. range: 5–625 µg/kg, country: Germany⁶⁷, *from USA

incidence: 3/34, conc. range: 5–40 µg/kg, Ø conc.: 32.5 µg/kg, country: Germany⁶⁷, *from Sudan

incidence: 1/1, conc.: 625 µg/kg, country: Germany⁶⁷, *from Angola

incidence: 1/2*, conc.: 2.7 µg/kg, country: Syria⁶⁸, *shelled, raw

incidence: 2/3*, conc. range: 0.4–1.9 µg/kg, Ø conc.: 1.2 µg/kg, country: Syria⁶⁸, *shelled, roasted

incidence: 2/2* **, conc. range: 43–432 µg/kg, Ø conc.: 237.5 µg/kg, country: UK⁷⁰, *ncac, **imported

incidence: 179/1860, conc. range: <0.4–700 µg/kg, Ø conc.: 25.6 µg/kg, country: Cyprus⁷⁴

incidence: 11/149, conc. range: 0.4–21.7

µg/kg, Ø conc.: 4.1 µg/kg, country: Japan⁹⁹

incidence: 9/104*, conc. range: tr–954 µg/kg, country: Finland¹³⁸, *imported

incidence: 8/121* **, conc. range: 3–716 µg/kg, Ø conc.: 160 µg/kg, country:

Finland¹³⁸, *shelled, roasted, **imported

incidence: 20/68* **, conc. range: tr–716 µg/kg, country: Finland¹³⁸, *sliced and crushed, **imported

incidence: 5/45, conc. range: 90.9–5871.4 µg/kg, Ø conc.: 1877.5 µg/kg, country: Egypt¹⁴⁴

incidence: 1/65*, conc.: 120 µg/kg, country: Spain¹⁵⁷, *in-shell

incidence: 10/20, conc. range: 1–50 µg/kg (3 sa), 51–150 µg/kg (3 sa), 151–300 µg/kg (2 sa), 301–700 µg/kg (2 sa), country: India¹⁷⁴

incidence: 5/15*, conc. range: 1–50 µg/kg (3 sa), ≤85 µg/kg (2 sa), country: India¹⁷⁴, *roasted

incidence: ?/8, conc. range: 534–880 µg/kg, country: Nigeria¹⁷⁷

incidence: 39/40*, conc. range: 1.3–1600 µg/kg, country: GDR¹⁷⁸, *imported

incidence: 3/8, conc. range: 40–430 µg/kg, Ø conc.: 263.3 µg/kg, country: Taiwan¹⁹⁰

incidence: 788/1559*, conc. range: ≤3650 µg/kg, country: USSR¹⁹¹, *imported

incidence: 7/40*, conc. range: tr–400 µg/kg, country: Norway¹⁹⁸, *imported

incidence: 1*/1***, conc.: 62.2 µg/kg, country: USA²⁰¹, *from the WHO, **ncac

incidence: 32*/200, conc. range: 54–1806 µg/kg, country: Nepal²³⁹, * >30 µg/kg
 incidence: 32/72*, conc. range: 1–679 µg/kg, Ø conc.: 93.7 µg/kg, country: Brazil²⁵⁸,
 *imported?
 incidence: 78/120, conc. range: 1.3–223 µg/kg, Ø conc.: 27 µg/kg, country: Botswana²⁷⁰
 incidence: 3/11* **, conc. range: 0.13–0.25 µg/kg, Ø conc.: 0.18 µg/kg, country: Spain³⁰²,
 *from Brazil, China, USA and unknown origin, **different kinds of peanuts
 incidence: 2/50*, conc. range: 435–625 µg/kg, Ø conc.: 530 µg/kg, country: Argentina³³⁵,
 *ncac
 incidence: 3/23, conc. range: 0.11–1 µg/kg (2 sa), 5.1–10 µg/kg (1 sa), Ø conc.: 3 µg/kg, country: France³⁹⁷
 incidence: 1/34, conc.: <10 µg/kg, country: Spain⁴⁸⁸
 incidence: 10/10, conc. range: 1.5–10 µg/kg, Ø conc.: 4.8 µg/kg, country: Côte d'Ivoire⁵⁵⁷
 incidence: 2/?, conc. range: tr–50 µg/kg, country: Kenya⁷⁴⁶
 incidence: 3/6, conc. range: 20–200 µg/kg, country: India⁸⁰²
 incidence: 50/50*, conc. range: 2–17,203 µg/kg, Ø conc.: 1377 µg/kg, country: USA⁸²⁶,
 *for oil production or feed
 incidence: 8/19*, conc. range: LOQ–2 µg/kg (5 sa), >2–5 µg/kg (1 sa), >5 µg/kg (2 sa, with a maximum of 60.9 µg/kg), country: UK⁸³⁴, *imported
 incidence: 1/26*, conc.: 0.1 µg/kg, country: Japan⁸⁵⁶, *shelled, roasted
 see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri,

kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 20/86, conc. range: 10–400 µg/kg, Ø conc.: 133.6 µg/kg, country: Brasil⁸
 incidence: 10/32, conc. range: 1.4–15.4 µg/kg, Ø conc.: 5.5 µg/kg, country: Germany³⁹,
 *from Mozambique
 incidence: 3/32, conc. range: 2.6–3.3 µg/kg, Ø conc.: 3 µg/kg, country: Germany³⁹, *from Mozambique
 incidence: 37/190*, conc. range: ≤6.5 µg/kg, country: Egypt⁴⁴, *in-shell
 incidence: 76/155*, conc. range: ≤6.5 µg/kg, country: Egypt⁴⁴, *shelled

incidence: 2/6, conc. range: 1.8–2.6 µg/kg, Ø conc.: 2.2 µg/kg, country: Egypt⁶²
 incidence: 1/1, conc.: 180 µg/kg, country: Germany⁶⁷, *from Angola
 incidence: 2/3*, conc. range: 0.3–0.6 µg/kg, Ø conc.: 0.5 µg/kg, country: Syria⁶⁸, *shelled, roasted
 incidence: 2/2* **, conc. range: 10.5–74 µg/kg, Ø conc.: 42.3 µg/kg, country: UK⁷⁰, *ncac, **imported
 incidence: 179/1860, conc. range: <0.3–12.5 µg/kg, Ø conc.: 1.5 µg/kg, country: Cyprus⁷⁴
 incidence: 11/149, conc. range: 0.1–5.3 µg/kg, Ø conc.: 0.9 µg/kg, country: Japan⁹⁹
 incidence: 9/104*, conc. range: tr–568 µg/kg, country: Finland¹³⁸, *imported
 incidence: 8/121* **, conc. range: 1–89 µg/kg, Ø conc.: 21.6 µg/kg, country: Finland¹³⁸, *shelled, roasted, **imported
 incidence: 18/68* **, conc. range: tr–76 µg/kg, country: Finland¹³⁸, *sliced and crushed, **imported
 incidence: 4/45, conc. range: 375–5567 µg/kg, Ø conc.: 2283.5 µg/kg, country: Egypt¹⁴⁴
 incidence: 1/65*, conc.: 22 µg/kg, country: Spain¹⁵⁷, *in-shell
 incidence: 39/40*, conc. range: 1.5–744 µg/kg, country: GDR¹⁷⁸, **imported
 incidence: 30/72*, conc. range: 1–192 µg/kg, Ø conc.: 51 µg/kg, country: Brazil²⁵⁸, *imported?
 incidence: 48/120, conc. range: 0.5–203 µg/kg, Ø conc.: 49 µg/kg, country: Botswana²⁷⁰
 incidence: 2/?, conc. range: tr–1000 µg/kg, country: Kenya⁷⁴⁶
 incidence: 2/6, conc. range: 10–135 µg/kg, Ø conc.: 72.5 µg/kg, country: India⁸⁰²
 incidence: 50/50*, conc. range: 1–2245 µg/kg, Ø conc.: 148 µg/kg, country: USA⁸²⁶, *for oil production or feed
 see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba,

maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 6/86, conc. range: 20–800 µg/kg, Ø conc.: 206.7 µg/kg, country: Brazil⁸
 incidence: 4/65, conc. range: 0.38 µg/kg, country: Tunisia²⁰
 incidence: 9/32, conc. range: 1.6–13.8 µg/kg, Ø conc.: 5.5 µg/kg, country: Germany³⁹, *from Mozambique
 incidence: 3/32, conc. range: 4.2–4.8 µg/kg, Ø conc.: 4.4 µg/kg, country: Germany³⁹, *from Mozambique
 incidence: 37/190*, conc. range: 6.5–<13 µg/kg, country: Egypt⁴⁴, *in-shell
 incidence: 76/155*, conc. range: 6.5–<26 µg/kg, country: Egypt⁴⁴, *shelled
 incidence: 1/1, conc.: 315 µg/kg, country: Germany⁶⁷, *imported from Angola
 incidence: 2/2* **, conc. range: 93.5–115.5 µg/kg, Ø conc.: 104.5 µg/kg, country: UK⁷⁰, *ncac, **imported
 incidence: 179/1860, conc. range: <0.4–72.2 µg/kg, Ø conc.: 8.9 µg/kg, country: Cyprus⁷⁴
 incidence: 11/149, conc. range: ≤22.1 µg/kg, Ø conc.: 2.8 µg/kg, country: Japan⁹⁹
 incidence: 2/104*, conc. range: 3–136 µg/kg, country: Finland¹³⁸, *imported
 incidence: 2/121* **, conc. range: 12–20 µg/kg, Ø conc.: 16 µg/kg, country: Finland¹³⁸, *shelled, roasted, **imported

incidence: 6/68* **, conc. range: tr–91 µg/kg, country: Finland¹³⁸, *sliced and crushed, **imported
 incidence: 5/45, conc. range: 150–10,458 µg/kg, Ø conc.: 3561.4 µg/kg, country: Egypt¹⁴⁴
 incidence: 39/40*, conc. range: 1–1540 µg/kg, country: GDR¹⁷⁸, **imported
 incidence: 23/72*, conc. range: 1–680 µg/kg, Ø conc.: 109.8 µg/kg, country: Brazil²⁵⁸, *imported?
 incidence: 51/120, conc. range: 0.6–259 µg/kg, Ø conc.: 91 µg/kg, country: Botswana²⁷⁰
 incidence: 3/11* **, conc. range: 0.61–1.68 µg/kg, Ø conc.: 0.97 µg/kg, country: Spain³⁰², *from Brazil, China, USA and unknown origin, **different kinds of peanuts
 incidence: 2/50*, conc. range: 83–625 µg/kg, Ø conc.: 354 µg/kg, country: Argentina³³⁵, *ncac
 incidence: 2/6, conc. range: 12–96 µg/kg, Ø conc.: 54 µg/kg, country: India⁸⁰²
 incidence: 29/50*, conc. range: 1–2331 µg/kg, Ø conc.: 240 µg/kg, country: USA⁸²⁶, *for oil production or feed
 see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXIN G₂

incidence: 6/86, conc. range: 20–400 µg/kg, Ø conc.: 95 µg/kg, country: Brazil⁸
 incidence: 10/32, conc. range: 1.1–9.9 µg/kg, Ø conc.: 4.5 µg/kg, country: Germany³⁹, *from Mozambique
 incidence: 3/32, conc. range: 1.2–3 µg/kg, Ø conc.: 1.8 µg/kg, country: Germany³⁹, *from Mozambique
 incidence: 37/190*, conc. range: ≤6.5 µg/kg, country: Egypt⁴⁴, *in-shell
 incidence: 76/155*, conc. range: ≤6.5 µg/kg, country: Egypt⁴⁴, *shelled
 incidence: 1/1*, conc.: 40 µg/kg, country: Germany⁶⁷, *imported from Angola
 incidence: 2/2* **, conc. range: 23–35 µg/kg, Ø conc.: 29 µg/kg, country: UK⁷⁰, *ncac, **imported
 incidence: 179/1860, conc. range: <0.3–3 µg/kg, Ø conc.: 0.6 µg/kg, country: Cyprus⁷⁴
 incidence: 11/149, conc. range: 0–6.7 µg/kg, Ø conc.: 0.8 µg/kg, country: Japan⁹⁹
 incidence: 1/104*, conc.: 34 µg/kg, country: Finland¹³⁸, *imported
 incidence: 4/68* **, conc. range: tr–14 µg/kg, country: Finland¹³⁸, *sliced and crushed, **imported
 incidence: 1/45, conc.: 363 µg/kg, country: Egypt¹⁴⁴
 incidence: 39/40*, conc. range: 1–548 µg/kg, country: GDR¹⁷⁸, **imported
 incidence: 22/72*, conc. range: 1–320 µg/kg, Ø conc.: 51 µg/kg, country: Brazil²⁵⁸, *imported?
 incidence: 45/120, conc. range: 1–164 µg/kg, Ø conc.: 45 µg/kg, country: Botswana²⁷⁰
 incidence: 1/6, conc.: 10 µg/kg, country: India⁸⁰²
 incidence: 16/50*, conc. range: 1–407 µg/kg, Ø conc.: 63.9 µg/kg, country: USA⁸²⁶, *for oil production or feed
 see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), cocoa, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, maize, maize dough, milk (human breast), nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut

butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), paste (soybean), popcorn, raisins, rice, sesame seeds, shoyu, soybeans, spices (cardamom), spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine

AFLATOXIN

incidence: 71/173, conc. range: <50 µg/kg (29 sa), 50–250 µg/kg (12 sa), 250–1000 µg/kg (16 sa), >1000 µg/kg (14 sa), country: Sudan⁶⁴
 incidence: ?/3, conc. range: ≤34.7 µg/kg, country: Ethiopia⁷⁶
 incidence: 47/150*, conc. range: 6–10 µg/kg (22 sa), 14–20 µg/kg (12 sa), 25–30 µg/kg (5 sa), 40–50 µg/kg (3 sa), 60–125 µg/kg (5 sa), country: Israel⁸⁹, *ncac
 incidence: 24/77*, conc. range: 11–30 µg/kg (6 sa), 31–100 µg/kg (6 sa), ≤1776 µg/kg (12 sa), country: India¹⁹⁵, *ncac
 see also barley, beer, bran (rice), flour (maize), injera, jars, kocho, maize, maize roti, malt (barley), malt (maize), nuts (peanut butter), nuts (pistachio), oil (peanut), paste (pepper, red), rice, spices (pepper)

AFLATOXINS (B₁, G₁)

incidence: 274/321*, conc. range: 5–2440 µg/kg, Ø conc.: 305 µg/kg, country: Brazil²³³, *includes peanut products
 see also beer, chestnut, nuts (peanut butter)

AFLATOXINS (B₁, B₂, G₁)

incidence: 1/10, conc.: >50 µg/kg (1 sa with a maximum of 72 µg/kg) country: Guatemala³³
 see also coffee, maize, meal (maize), rice

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 21/73*, conc. range: 2–61 µg/kg, country: Australia¹³, *includes peanut and peanut butters
 incidence: 10/32*, conc. range: 12.4–127.2 µg/kg, Ø conc.: 50.1 µg/kg, country: Germany³⁹, *from Mozambique
 incidence: 3/32*, conc. range: 14.6–16 µg/kg, Ø conc.: 15.2 µg/kg, country: Germany³⁹, *from Mozambique

incidence: 284/1679, conc. range: 5–24.9 µg/kg (186 sa), >25 µg/kg (98 sa), country: Canada⁵⁹

incidence: 7/150*, conc. range: 5–14.9 µg/kg (5 sa), >25 µg/kg (2 sa), country: Canada⁵⁹, *processed

incidence: 93/120, conc. range: 12–329 µg/kg, Ø conc.: 118 µg/kg, country: Botswana²⁷⁰

incidence: 11/35, conc. range: ≤936 µg/kg, Ø conc.: 440 µg/kg, country: Brazil²⁷⁷

incidence: 3/11* **, conc. range: 1–3.9 µg/kg (1 sa), >50 µg/kg (2 sa, with a maximum of 61 µg/kg), country: UK⁷³⁹, *port sa, **imported

incidence: 2/36* **, conc. range: >50 µg/kg (2 sa, with a maximum of 105 µg/kg), country: UK⁷³⁹, *retail sa, **imported

incidence: 15/29, conc. range: 3.2–48 µg/kg, Ø conc.: 14 µg/kg, country: Botswana⁸¹³

see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (fig), peas, phane, poppadsoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

AFLATOXINS (TOTAL)

incidence: 3/17* **, conc. range: 0.5–≤5 µg/kg, country: UK⁶⁰, *chocolate-coated, **imported

incidence: 3/14* **, conc. range: 0.5–≤5 µg/kg, country: UK⁶⁰, *dry roasted, **imported

incidence: 4/17* **, conc. range: 0.5–5 µg/kg (3 sa), 7 µg/kg (1 sa), country: UK⁶⁰, *roasted, **imported

incidence: 13/24* **, conc. range: 0.5–5 µg/kg (8 samples), 6–10 µg/kg (1 sa), 11–30 µg/kg (1 sa), 31–100 µg/kg (2 sa), 4920 µg/kg (1 sa), country: UK⁶⁰, *in-shell, raw, **imported
 incidence: 5/8* **, conc. range: 0.5–3 µg/kg (2 sa), 182 µg/kg (1 sa), country: UK⁶⁰, *shelled, raw, **imported
 incidence: 7/13* **, conc. range: 0.5–5 µg/kg (3 sa), 6–10 µg/kg (2 sa), 11–28 µg/kg (2 sa), country: UK⁶⁰, *in-shell, roasted, **imported
 incidence: 1/2*, conc.: ≈1.5, country: Poland¹¹⁰, *imported
 incidence: 1/6* **, conc.: ≈3.5, country: Poland¹¹⁰, *salted, **imported
 incidence: 31/31*, conc. range: >6.8–20 µg/kg (3 sa), –50 µg/kg (7 sa), –100 µg/kg (2 sa), –500 µg/kg (10 sa), –2000 µg/kg (6 sa), –4000 µg/kg (1 sa), –6000 µg/kg (2 sa), country: Switzerland¹³¹, *from Ecuador
 incidence: 106/216, Ø conc.: 1530 µg/kg, max. conc.: 12,256 µg/kg, country: Thailand¹⁶³
 incidence: 3/19*, conc. range: LOQ–4 µg/kg (1 sa), >10 µg/kg (2 sa, with a maximum of 70.9 µg/kg), country: UK⁸³⁴, *imported
 see also beans, butter, figs, maize, nut cereals, nuts (almond), nuts (brazil), nuts (cashew), nuts (“chico–felix”), nuts (hazelnut), nuts (peanut butter), nuts (pistachio), nuts (walnut), paste (fig), rice, sunflower seeds

AFATOXINS

incidence: 1/3* **, conc.: 2.8 µg/kg, country: Qatar¹, *with shell, **most sa from Iran, Syria, Turkey, USA
 incidence: 9/32* ** ***, conc. range: 0.1–≤22.7 µg/kg country: Qatar², *ncac, **includes peanut and peanut products, ***imported
 incidence: 27*/152, conc. range: 1–100 µg/kg (11 sa), 100–1000 µg/kg (8 sa), >1000 µg/kg (8 sa), country: Uganda⁵, *24 sa contained AFB₁, 16 AFB₂, 17 AFG₁, 7 AFG₂
 incidence: 5/71, conc.: >30–≤100 µg/kg, country: Philippines³²
 incidence: 3/32, conc. range: 1.2–3 µg/kg, Ø conc.: 1.8 µg/kg, country: Germany³⁹, *from Mozambique

incidence: 56/200, conc. range: 0.2–8.4 µg/kg, country: Sudan⁶⁵
 incidence: 3/3*, conc. range: 1.7–5.73 µg/kg, Ø conc.: 3.6 µg/kg, country: Sudan⁶⁵, grey roasted
 incidence: 4/4*, conc. range: 4.3–14.3 µg/kg, Ø conc.: 8.2 µg/kg, country: Sudan⁶⁵, red roasted
 incidence: 1/4*, conc.: 273 µg/kg, country: USA¹⁹⁷, *in-shell, raw
 incidence: 6/55*, conc. range: ≤329 µg/kg, Ø conc.: 68 µg/kg, country: USA¹⁹⁷, *shelled, roasted
 incidence: 1/1*, conc.: 4 µg/kg, country: USA¹⁹⁷, *shelled, roasted
 incidence: 28/86*, conc. range: 0.1–5 µg/kg (5 sa), 6–10 µg/kg (3 sa), 11–20 µg/kg (5 sa), 21–35 µg/kg (7 sa), 36–50 µg/kg (1 sa), >50 µg/kg (7 sa), country: Malaysia³⁹¹, *raw
 incidence: 9/43*, conc. range: 25–518 µg/kg, country: Brazil³⁹⁶, *and products
 incidence: 26/27* **, conc. range: 2–5091 µg/kg, country: USA⁷¹⁷, *loose-shell, **ncac
 incidence: 20/21*, conc. range: 3–550 µg/kg, country: USA⁷¹⁷, *ncac
 incidence: 93/160*, conc. range: tr–5850 µg/kg, country: India⁸²¹, *ncac
 see also beans, candy (peanut), candy (pistachio), cassava, figs, flour (maize), grain mixtures, grains, maize, maize dough, maize products, melon seeds, millet, nuts, nuts (almond), nuts (brazil), nuts (peanut butter), nuts (peanut mix), nuts (peanut products), nuts (pecan), nuts (pistachio), nuts (walnut), nuts and seeds, paste (peanut), paste (pipian), peas, rice, sauce (leaf), snacks, sorghum, spices, spices (chilli), spices (cumin), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper), spices (tandoori), teff, tubers, wheat

CITRININ

incidence: 16/160*, conc. range: tr–1200 µg/kg, country: India⁸²¹, *ncac
 see also angkak (red mold rice), barley, cereals, cheese, food, food colorant, fruits (apple), maize, maize dough, meal (copra), nuts (cashew), nuts (coconut), nuts (grogannut), oil seed rape, olives, rice, spices,

spices (cardamom), spices (coriander), spices (cumin), spices (fennel), spices (pepper), spices (turmeric), wheat

CYCLOPIAZONIC ACID

incidence: 18/120, conc. range: 1–10 µg/kg, Ø conc.: 2 µg/kg, country: Botswana²⁷⁰
 incidence: 2/50*, conc. range: 493–4300 µg/kg, Ø conc.: 2396.5 µg/kg, country: Argentina³³⁵, *ncac
 incidence: 21/27* **, conc. range: 32–6525 µg/kg, country: USA⁷¹⁷, *loose-shell, **ncac
 incidence: 4/21*, conc. range: 32–130 µg/kg, country: USA⁷¹⁷, *ncac
 incidence: 45/50*, conc. range: tr–2926 µg/kg, country: USA⁸²⁶, *for oil production or feed
 see also cassava, cheese, maize, milk (cow), pulp (tomato), tomato purée

FUMONISIN B₁

incidence: 1/5, conc.: 1000 µg/kg, country: Zimbabwe³⁶⁵
 incidence: 7/10, conc. range: <300–600 µg/kg, country: Côte d'Ivoire⁵⁵⁷
 see also arepas, asparagus, barley, batter, beans, beer, bran (maize), bread, cake (rice), cereals, cereals (breakfast), chamomile, chips (maize), chips (tortilla), flakes (corn), flour (maize), food, food (baby), foodstuff, grits (maize), Incaparina, leaves, maize, maize fiber, maize muffin, maize products, maize silk, maize starch, masa, meal (maize), meal (sorghum), milk, muffin mix, pancake, popcorn, rapoko, rice, snacks, sorghum, soybeans, syrup (sorghum), tea, tortillas, wheat

OCHRATOXIN A

incidence: 10/10, conc. range: 0.20–0.64 µg/kg, Ø conc.: 0.32 µg/kg, country: Côte d'Ivoire⁵⁵⁷
 incidence: 3/31*, conc. range: ≤0.08 µg/kg, country: Germany⁵⁹², *imported
 incidence: 6/10, conc. range: 0.6–64 µg/kg, country: Côte d'Ivoire⁶⁴²
 incidence: 2/18, conc. range: 50–2000 µg/kg, Ø conc.: 1025 µg/kg, country: India⁶⁵⁶
 incidence: 2/6, conc. range: pr, country: India⁸⁰²

incidence: 7/20, conc. range: 0.1–2.36 µg/kg, Ø conc.: 0.68 µg/kg, country: Morocco⁸⁵⁹
 see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquourice, liquourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard),

spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

DIACETOXYSCIRPENOL

incidence: 2/87*, conc. range: 410–2030 µg/kg, Ø conc.: 1220 µg/kg, country: India⁴³¹, *ncac

see also beans, beer, bran (wheat), cereals, maize, oats, products, rice, soybeans, spices (chilli powder), spices (curry), wheat

T-2 TOXIN

incidence: 6/87*, conc. range: 170–38,890 µg/kg, Ø conc.: 13,127 µg/kg, country: India⁴³¹, *ncac

see also barley, beans, beer, bran (oat), bran (wheat), bread, cereals, cereals (breakfast), flakes (oat), flour, flour (maize), flour (wheat), food, grits (maize), maize, nuts (hazelnut), oat products, oats, rice, rye, sorghum, spices (curry), spices (ginger), spices (tandoori), sunflower seeds, wheat

ZEARALENONE

incidence: 10/10, conc. range: 50–200 µg/kg, Ø conc.: 95 µg/kg, country: Côte d'Ivoire⁵⁵⁷

see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel),

spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Nuts (peanut brittle) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 8/19*, conc. range: 0.5–5 µg/kg (5 sa), 6–10 µg/kg (1 sa), 11–30 µg/kg (1 sa), 142 µg/kg (1 sa), country: UK⁶⁰, *imported see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices

(chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 8/19*, conc. range: 6–10 µg/kg (6 sa), 31–100 µg/kg (1 sa), 190 µg/kg (1 sa), country: UK⁶⁰, *imported

see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (fig), peas, phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

Nuts (peanut butter) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 9/79* **, conc. range: 2–5 µg/kg (2 sa), 5.1–10 µg/kg (3 sa), 11–30 µg/kg (3 sa), 31–100 µg/kg (1 sa), country: UK²⁸, *health food, **crunchy

incidence: 6/50* **, conc. range: 2–5 µg/kg (2 sa), 11–30 µg/kg (4 sa), country: UK²⁸, *health food, **smooth

incidence: 5/16* **, conc. range: 2–5 µg/kg (3 sa), 6–10 µg/kg (1 sa), 12 µg/kg (1 sa), country: UK⁶⁰, *regular, **crunchy

incidence: 7/16* **, conc. range: 2–5 µg/kg (6 sa), 7 µg/kg (1 sa), country: UK⁶⁰, *regular, **smooth

incidence: 24/38* **, conc. range: 2–5 µg/kg (7 sa), 6–10 µg/kg (3 sa), 11–30 µg/kg (4 sa), 31–100 µg/kg (5 sa), ≤318 µg/kg (5 sa)

country: UK⁶⁰, *health food, **crunchy incidence: 10/21* **, conc. range: 6–10 µg/kg (2 sa), 11–30 µg/kg (4 sa), ≤76 µg/kg (4 sa),

country: UK⁶⁰, *health food, **smooth incidence: 21/74, conc. range: 1.2–73 µg/kg, Ø conc.: 40.6 µg/kg, country: Cyprus⁷⁴

incidence: 10/63, conc. range: 2–20 µg/kg, Ø conc.: 7 µg/kg, country: USA¹⁴⁶

incidence: 2/2, conc. range: 3.5–5.2 µg/kg, Ø conc.: 4.4 µg/kg, country: GDR¹⁷⁸

incidence: 3/6, conc. range: 0.6–2.4 µg/kg, country: Japan¹⁸⁴

incidence: 9/16, conc. range: 20–730 µg/kg, Ø conc.: 217.7 µg/kg, country: Taiwan¹⁹⁰

incidence: 2/2*, conc. range: 1.8–5.5 µg/kg, Ø conc.: 3.7 µg/kg, country: Denmark¹⁹³,

*imported

incidence: 8/8, conc. range: 0.11–1 µg/kg (4 sa), 1.1–5 µg/kg (4 sa), Ø conc.: 1.3 µg/kg, country: France³⁹⁷

incidence: 19/29*, conc. range: LOQ–2 µg/kg (13 sa), >2–5 µg/kg (5 sa), 7.5 µg/kg (1 sa), country: UK⁸³⁴, *imported

incidence: 15/26*, conc. range: LOQ–2 µg/kg (14 sa), 2.5 µg/kg (1 sa), country: UK⁸³⁴,

*imported

incidence: 3/4, conc. range: 0.6–1.4 µg/kg, Ø conc.: 1.3 µg/kg, country: Japan⁸⁵⁶

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe

deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFATOXIN B₂

incidence: 21/74, conc. range: 0.3–9 µg/kg, Ø conc.: 6.4 µg/kg, country: Cyprus⁷⁴
 incidence: 2/2, conc. range: 0.5–0.6 µg/kg, Ø conc.: 0.55 µg/kg, country: GDR¹⁷⁸
 incidence: 1/6, conc.: 0.4 µg/kg, country: Japan¹⁸⁴
 incidence: 2/2*, conc. range: 0.4–1 µg/kg, Ø conc.: 0.7 µg/kg, country: Denmark¹⁹³,
 *imported
 incidence: 3/4, conc. range: 0.1–0.3 µg/kg, Ø conc.: 0.2 µg/kg, country: Japan⁸⁵⁶
 see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food

(infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kuba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFATOXIN G₁

incidence: 21/74, conc. range: <0.4–0.9 µg/kg, Ø conc.: 0.6 µg/kg, country: Cyprus⁷⁴
 incidence: 2/2, conc. range: 3.5–5.2 µg/kg, Ø conc.: 4.4 µg/kg, country: GDR¹⁷⁸
 incidence: 3/6, conc. range: 0.1–0.4 µg/kg, country: Japan¹⁸⁴
 incidence: 2/2*, conc. range: 0.6–1.2 µg/kg, Ø conc.: 0.9 µg/kg, country: Denmark¹⁹³,
 *imported
 incidence: 2/4, conc. range: 0.3 µg/kg, Ø conc.: 0.3 µg/kg, country: Japan⁸⁵⁶
 see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame

seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXIN G₂

incidence: 1/74, conc.: 0.3 µg/kg, country: Cyprus⁷⁴

incidence: 2/2, conc. range: 1.3–1.7 µg/kg, Ø conc.: 1.5 µg/kg, country: GDR¹⁷⁸

incidence: 2/2*, conc. range: 0.2 µg/kg, Ø conc.: 0.2 µg/kg, country: Denmark¹⁹³, *imported

see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), cocoa, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, maize, maize dough, milk (human breast), nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), paste (soybean), popcorn, raisins, rice, sesame seeds, shoyu, soybeans, spices (cardamom), spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine

AFLATOXIN

incidence: ?/5, conc. range: ≤105 µg/kg, country: Ethiopia⁷⁶

see also barley, beer, bran (rice), flour (maize), injera, jars, kocho, maize, maize roti, malt (barley), malt (maize), nuts (peanut), nuts (pistachio), oil (peanut), paste (pepper, red), rice, spices (pepper)

AFLATOXINS (B₁, G₁)

incidence: 10/18, conc. range: 1–<5 µg/kg (1 sa), 5–<10 µg/kg (3 sa), 10–<50 µg/kg (4 sa), 50–<100 µg/kg (1 sa), 775 µg/kg (1 sa) country: UK²³

see also beer, chestnut, nuts (peanut)

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 98/2092, conc. range: 5–19.9 µg/kg (95 sa), >25 µg/kg (3 sa), country: Canada⁵⁹
incidence: 13/42*, conc. range: 1–3.9 µg/kg (8 sa), 4–10 µg/kg (4 sa), 21 µg/kg (1 sa), country: UK⁷³⁹, *retail sa

incidence: 15/21, conc. range: 1.6–64 µg/kg, Ø conc.: 23 µg/kg, country: Botswana⁸¹³

see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (fig), peas, phane, poppadooms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

AFLATOXINS (TOTAL)

incidence: 6/16* **, conc. range: 2–5 µg/kg (4 sa), 6–10 µg/kg (1 sa), 14 µg/kg (1 sa), country: UK⁶⁰, *regular, **crunchy

incidence: 7/16* **, conc. range: 2–5 µg/kg (6 sa), 8 µg/kg (1 sa), country: UK⁶⁰, *regular, **smooth

incidence: 24/38* **, conc. range: 2–5 µg/kg (4 sa), 6–10 µg/kg (5 sa), 11–30 µg/kg (3 sa), 31–100 µg/kg (3 sa), ≤345 µg/kg (9 sa) country: UK⁶⁰, *health food, **crunchy

incidence: 13/21* **, conc. range: 2–5 µg/kg (1 sa), 6–10 µg/kg (3 sa), 11–30 µg/kg (4 sa), ≤175 µg/kg (5 sa), country: UK⁶⁰, *health food, **smooth

incidence: 12/29*, conc. range: LOQ–4 µg/kg (8 sa), >4–10 µg/kg (3 sa), 11.2 µg/kg (1 sa), country: UK⁸³⁴, *imported

incidence: 10/26*, conc. range: LOQ–4 µg/kg (10 sa, with a maximum of 2.7 µg/kg), country: UK⁸³⁴, *imported

see also beans, butter, figs, maize, nut cereals, nuts (almond), nuts (brazil), nuts (cashew), nuts ("chico-felix"), nuts (hazelnut), nuts (peanut), nuts (pistachio), nuts (walnut), paste (fig), rice, sunflower seeds

AFLATOXINS

incidence: 29/29, conc. range: >30–8600 µg/kg, country: Philippines³²

incidence: 1857/2510, conc. range: 1–<20 µg/kg (1597 sa), 20–50 µg/kg (149 sa), 50–100 µg/kg (74 sa), >100 µg/kg (37 sa), Ø conc.: 13 µg/kg, country: USA⁵⁶
incidence: 17/104, conc. range: ≤27 µg/kg, Ø conc.: 14 µg/kg, country: USA¹⁹⁷
incidence: 1/3*, conc.: 43 µg/kg, country: USA¹⁹⁷, *imported

incidence: 16/35, conc. range: 0.1–5 µg/kg (5 sa), 6–10 µg/kg (6 sa), 11–20 µg/kg (3 sa), 21–35 µg/kg (2 sa), country: Malaysia³⁹¹
see also beans, candy (peanut), candy (pistachio), cassava, figs, flour (maize), grain mixtures, grains, maize, maize dough, maize products, melon seeds, millet, nuts, nuts (almond), nuts (brazil), nuts (peanut), nuts (peanut mix), nuts (peanut products), nuts (pecan), nuts (pistachio), nuts (walnut), nuts and seeds, paste (peanut), paste (pipian), peas, rice, sauce (leaf), snacks, sorghum, spices, spices (chilli), spices (cumin), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper), spices (tandoori), teff, tubers, wheat

OCHRATOXIN A

incidence: 3/29*, conc. range: 0.4–5.4 µg/kg, Ø conc.: 2.2 µg/kg, country: UK⁸³⁴, *imported

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes

(corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquourice, liquourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Nuts (peanut mix) may contain the following mycotoxins:

AFLATOXINS

incidence: 1/1, conc.: 302 µg/kg, country: USA¹⁹⁷

see also beans, candy (peanut), candy (pistachio), cassava, figs, flour (maize), grain mixtures, grains, maize, maize dough, maize

products, melon seeds, millet, nuts, nuts (almond), nuts (brazil), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pistachio), nuts (walnut), nuts and seeds, paste (peanut), paste (pipian), peas, rice, sauce (leaf), snacks, sorghum, spices, spices (chilli), spices (cumin), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper), spices (tandoori), teff, tubers, wheat

Nuts (peanut products) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 13/20, conc. range: 15–138 µg/kg, Ø conc.: 64.9 µg/kg, country: Germany¹⁷⁸
incidence: 14/22*, conc. range: 1–244 µg/kg, Ø conc.: 52 µg/kg, country: Japan³⁰⁰, *from Malaysia, Philippines

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts

(peanut butter), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 2/20, conc. range: 3–24 µg/kg, Ø conc.: 13.5 µg/kg, country: Germany¹⁷⁸
incidence: 12/22*, conc. range: 3–125 µg/kg, Ø conc.: 22 µg/kg, country: Japan³⁰⁰, *from Malaysia, Philippines

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian

cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 8/20, conc. range: 9–44 µg/kg, Ø conc.: 28 µg/kg, country: Germany¹⁷⁸
incidence: 2/22*, conc. range: 6–68 µg/kg, Ø conc.: 37 µg/kg, country: Japan³⁰⁰, *from Malaysia, Philippines

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXIN G₂

incidence: 2/20, conc. range: 4–18 µg/kg, Ø conc.: 11 µg/kg, country: Germany¹⁷⁸
incidence: 1/22*, conc.: 33 µg/kg, country: Japan³⁰⁰, *from Malaysia, Philippines
see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), cocoa, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, maize, maize dough, milk (human breast), nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oil (olive), paste (soybean),

popcorn, raisins, rice, sesame seeds, shoyu, soybeans, spices (cardamom), spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 30/45, conc. range: ≤1789 µg/kg, Ø conc.: 384 µg/kg, country: Brazil²⁷⁷
see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (fig), peas, phane, poppados, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

AFLATOXINS

incidence: 11/32, conc. range: >30–≤220 µg/kg, country: Philippines³²
incidence: 1/6, conc.: 2 µg/kg, country: USA¹⁹⁷

incidence: 49/100, conc. range: 0.1–5 µg/kg (14 sa), 6–10 µg/kg (10 sa), 11–20 µg/kg (3 sa), 21–35 µg/kg (17 sa), >50 µg/kg (5 sa), country: Malaysia³⁹¹
see also beans, candy (peanut), candy (pistachio), cassava, figs, flour (maize), grain mixtures, grains, maize, maize dough, maize products, melon seeds, millet, nuts, nuts (almond), nuts (brazil), nuts (peanut), nuts (peanut butter), nuts (peanut mix), nuts (pecan), nuts (pistachio), nuts (walnut), nuts and seeds, paste (peanut), paste (pipian), peas, rice, sauce (leaf), snacks, sorghum,

spices, spices (chilli), spices (cumin), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper), spices (tandoori), teff, tubers, wheat

Nuts (pecan) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 3/48, conc. range: tr–25 µg/kg, country: USA⁴⁶

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum,

soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN G₁

incidence: 3/48, conc. range: tr, country: USA⁴⁶

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 1/55, conc. range: 5–9.9 µg/kg, country: Canada⁵⁹

see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts

(pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (fig), peas, phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

AFLATOXINS

incidence: 1/229, conc.: 40 µg/kg, country: USA¹⁹⁶

incidence: 3/17, conc. range: ≤334 µg/kg, Ø conc.: 135 µg/kg, country: USA¹⁹⁷

see also beans, candy (peanut), candy (pistachio), cassava, figs, flour (maize), grain mixtures, grains, maize, maize dough, maize products, melon seeds, millet, nuts, nuts (almond), nuts (brazil), nuts (peanut), nuts (peanut butter), nuts (peanut mix), nuts (peanut products), nuts (pistachio), nuts (walnut), nuts and seeds, paste (peanut), paste (pipian), peas, rice, sauce (leaf), snacks, sorghum, spices, spices (chilli), spices (cumin), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper), spices (tandoori), teff, tubers, wheat

STERIGMATOCYSTIN

incidence: 1/40*, conc.: 20,000 µg/kg, country: USA⁷⁵⁷, *in-shell

see also barley, cassava, cheese, coffee, maize, nuts (almond), nuts (pistachio), oil seed rape, rice, spices, spices (fennel), spices (pepper), wheat

Nuts (pine) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 26/50, conc. range: 25–2080 µg/kg, country: Tunisia²¹

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals,

cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN G₁

incidence: 26/50, conc. range: 56–4570 µg/kg, country: Tunisia²¹

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFATOXINS (B₁, B₂, G₁, G₂)

incidence: 26/50, conc. range: 95–7550 µg/kg, country: Tunisia²¹

see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (fig), peas, phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

Nuts (pistachio) may contain the following mycotoxins:

AFATOXIN B₁

incidence: 1/19, conc.: 22 µg/kg, country: Tunisia²⁰

incidence: 53/856, conc. range: 1.4–206

µg/kg, Ø conc.: 54.9 µg/kg, country: Cyprus⁷⁴

incidence: 5/165, conc. range: 11.5–1382

µg/kg, Ø conc.: 323 µg/kg, country: Japan⁹⁹

incidence: 17/29*, conc. range: 2.3–165

µg/kg, Ø conc.: 56.4 µg/kg, country: The

Netherlands¹⁰¹, *imported

incidence: 1/5* **, conc.: 13.2 µg/kg, country:

UK²²⁴, *imported, **roasted

incidence: 2/5* **, conc. range: 105–227.2

µg/kg, Ø conc.: 166.1 µg/kg, country: UK²²⁴,

*imported, **raw

incidence: 1/1*, conc.: 4.6 µg/kg, country:

Japan³⁴⁶, *imported

incidence: 11/23*, conc. range: 0.05–0.1

µg/kg (6 sa), 0.11–1 µg/kg (3 sa), 1.1–5 µg/kg

(1 sa), 11–40 µg/kg (1 sa), Ø conc.: 3.6 µg/kg,

country: France³⁹⁷, *imported

incidence: 2/6, conc. range: 15–94 µg/kg, Ø

conc.: 54.5 µg/kg, country: India⁸⁰²

incidence: 9/23*, conc. range: LOQ–2 µg/kg

(5 sa), >2–5 µg/kg (2 sa), >5 µg/kg (2 sa,

with a maximum of 41.3 µg/kg), country:

UK⁸³⁴, *imported

incidence: 3/29*, conc. range: >5 µg/kg (3 sa,

with a maximum of 93.3 µg/kg), country:

UK⁸³⁴, *imported

see also acha, areca nut, bacon, barley, beans,

beefburger, beer, betel nut, bondakaledkai,

bread, buckwheat, butter, cassava, cereals,

cereals (breakfast), cheese, chestnut, chips

(yam), chocolate, cocoa, cocoa beans, cocoa

hazelnut cream, coffee beans (green), coix

seed, congressbele, cottonseed, cowpeas,

dates, drinks, figs, fish, flakes (corn), flour,

flour (gram), flour (maize), flour (wheat),

food, food (infant), fruits products, fruits

(apricot), fruits (lemon), fruits (mango), Ga

Kenkey, gram, grits (maize), gruel, herbs and

medicinal plants, hot dog, Incaparina, jam

(bean), Job's-tears, jowar, juice (apple), kheri,

kidney (hare), kidney (pheasant), kidney (roe

deer), kubeba, legume, lentils, linseeds, liver

(hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 53/856, conc. range: <0.3–2.3 µg/kg, Ø conc.: 1.2 µg/kg, country: Cyprus⁷⁴
 incidence: 5/165, conc. range: 0.5–260 µg/kg, Ø conc.: 58 µg/kg, country: Japan⁹⁹
 incidence: 1/5* **, conc.: 1.7 µg/kg, country: UK²²⁴, *imported, **roasted
 incidence: 2/5* **, conc. range: 10–31.7 µg/kg, Ø conc.: 20.9 µg/kg, country: UK²²⁴, *imported, **raw
 incidence: 1/6, conc.: 75 µg/kg, country: India⁸⁰²

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram),

flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 5/165, conc. range: ≤306 µg/kg, Ø conc.: 61.3 µg/kg, country: Japan⁹⁹
 incidence: 1/6, conc.: 12 µg/kg, country: India⁸⁰²

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg),

spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXIN G₂

incidence: 5/165, conc. range: ≤ 48.3 $\mu\text{g/kg}$, $\emptyset$ conc.: 9.7 $\mu\text{g/kg}$, country: Japan⁹⁹
incidence: 1/6, conc.: 8 $\mu\text{g/kg}$, country: India⁸⁰²

see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), cocoa, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, maize, maize dough, milk (human breast), nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (walnut), oil (olive), paste (soybean), popcorn, raisins, rice, sesame seeds, shoyu, soybeans, spices (cardamom), spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine

AFLATOXIN

incidence: 46/46*, conc. range: 6–97 $\mu\text{g/kg}$, $\emptyset$ conc.: 24 $\mu\text{g/kg}$, country: USA⁵², *from Iran
see also barley, beer, bran (rice), flour (maize), injera, jars, kocho, maize, maize roti, malt (barley), malt (maize), nuts (peanut), nuts (peanut butter), oil (peanut), paste (pepper, red), rice, spices (pepper)

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 1/4*, conc.: ≈ 3.5 , country: Poland¹¹⁰, * imported
incidence: 8/24* **, conc. range: 1–3.9 $\mu\text{g/kg}$ (1 sa), 4–10 $\mu\text{g/kg}$ (1 sa), 10.1–20 $\mu\text{g/kg}$ (1 sa), 20.1–50 $\mu\text{g/kg}$ (2 sa), > 50 $\mu\text{g/kg}$ (3 sa), with a maximum of 175 $\mu\text{g/kg}$, country: UK⁷³⁹, *port sa, **imported
see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts

(peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (walnut), oil, oil seeds, paste (fig), peas, phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

AFLATOXINS (TOTAL)

incidence: 5/23*, conc. range: LOQ–4 $\mu\text{g/kg}$ (2 sa), > 4 –10 $\mu\text{g/kg}$ (1 sa), > 10 $\mu\text{g/kg}$ (2 sa), with a maximum of 47.5 $\mu\text{g/kg}$, country: UK⁸³⁴, *imported
incidence: 3/29*, conc. range: > 4 –10 $\mu\text{g/kg}$ (1 sa), > 10 $\mu\text{g/kg}$ (2 sa), with a maximum of 106.9 $\mu\text{g/kg}$, country: UK⁸³⁴, *imported
see also beans, butter, figs, maize, nut cereals, nuts (almond), nuts (brazil), nuts (cashew), nuts (“chico–felix”), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (walnut), paste (fig), rice, sunflower seeds

AFLATOXINS

incidence: 13/47* **, conc. range: 0.53–75 $\mu\text{g/kg}$, country: Qatar¹, *with shell, **most sa from Iran, Syria, Turkey, USA
incidence: 52/100* **, conc. range: 7.3–289 $\mu\text{g/kg}$, country: Qatar¹, *without shell, **most sa from Iran, Syria, Turkey, USA
incidence: 26/46* **, conc. range: 0.1– ≤ 55.3 $\mu\text{g/kg}$ country: Qatar², *with shell, **imported
incidence: 156/22* **, conc. range: 0.1– ≤ 117 $\mu\text{g/kg}$ country: Qatar², *without shell, **imported
incidence: 17*/175, conc. range: 5–9.9 $\mu\text{g/kg}$ (4 sa), 10–14.9 $\mu\text{g/kg}$ (3 sa), 15–19.9 $\mu\text{g/kg}$ (1 sa), 20–24.9 $\mu\text{g/kg}$ (2 sa), > 25 $\mu\text{g/kg}$ (7 sa), country: Canada⁵⁹, *AFB₁, AFB₂, AFG₁, AFG₂
incidence: 7/22, conc. range: ≤ 252 $\mu\text{g/kg}$, $\emptyset$ conc.: 58 $\mu\text{g/kg}$, country: USA¹⁹⁷
incidence: 10/21*, conc. range: ≤ 133 $\mu\text{g/kg}$, $\emptyset$ conc.: 41 $\mu\text{g/kg}$, country: USA¹⁹⁷, *shelled

see also beans, candy (peanut), candy (pistachio), cassava, figs, flour (maize), grain mixtures, grains, maize, maize dough, maize products, melon seeds, millet, nuts, nuts (almond), nuts (brazil), nuts (peanut), nuts (peanut butter), nuts (peanut mix), nuts (peanut products), nuts (pecan), nuts (walnut), nuts and seeds, paste (peanut), paste (pipian), peas, rice, sauce (leaf), snacks, sorghum, spices, spices (chilli), spices (cumin), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper), spices (tandoori), teff, tubers, wheat

OCHRATOXIN A

incidence: 2/23*, conc. range: 0.9–46.5 µg/kg, Ø conc.: 23.7 µg/kg, country: UK⁸³⁴, *imported

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut),

nuts (peanut), nuts (peanut butter), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

STERIGMATOCYSTIN

incidence: 2/6, conc. range: 70–100 µg/kg, Ø conc.: 85 µg/kg, country: India⁸⁰²

see also barley, cassava, cheese, coffee, maize, nuts (almond), nuts (pecan), oil seed rape, rice, spices, spices (fennel), spices (pepper), wheat

Nuts (tiger) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 27/77, conc. range: 10–120 µg/kg, country: Nigeria²⁹⁵

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam

(bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

Nuts (walnut) may contain the following mycotoxins:

AFATOXIN B₁

Incidence 2/12*, conc. range: ≤ 5 $\mu\text{g/kg}$, country: UK²⁴, *imported

Incidence 3*/12, conc. range: 5–500,000 $\mu\text{g/kg}$, country: Germany⁶⁷, *moldy

incidence: 6/560, conc. range: <0.4 – 0.2

$\mu\text{g/kg}$?, $\emptyset$ conc.: 0.3 $\mu\text{g/kg}$, country: Cyprus⁷⁴

incidence: 1/14* conc.: 8 $\mu\text{g/kg}$, country:

Norway¹⁹⁸, *imported

incidence: 3/9, conc. range: 15–110 $\mu\text{g/kg}$, country: India⁸⁰²

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar,

sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 6/560, conc. range: <0.3 µg/kg,

country: Cyprus⁷⁴

incidence: 1/14* conc.: tr, country:

Norway¹⁹⁸, *imported

incidence: 2/9, conc. range: 12–85 µg/kg, Ø

conc.: 48.5 µg/kg, country: India⁸⁰²

see also areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 6/560, conc. range: <0.4 µg/kg,

country: Cyprus⁷⁴

incidence: 1/14* conc.: 4 µg/kg, country:

Norway¹⁹⁸, *imported

incidence: 2/9, conc. range: 10–75 µg/kg, Ø

conc.: 42.55 µg/kg, country: India⁸⁰²

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize),

flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXIN G₂

incidence: 1/14* conc.: tr, country:

Norway¹⁹⁸, *imported

incidence: 1/9, conc.: 65 µg/kg, country:

India⁸⁰²

see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), cocoa, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, maize, maize dough, milk (human breast), nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), oil (olive), paste (soybean), popcorn, raisins, rice, sesame seeds, shoyu, soybeans, spices (cardamom), spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 15/20, conc. range: 15–25 µg/kg,

country: Egypt⁴⁹⁰

see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour

(maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), oil, oil seeds, paste (fig), peas, phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

AFLATOXINS (TOTAL)

incidence: 1/2*, conc.: ≈ 5.4 , country: Poland¹¹⁰, * imported?

see also beans, butter, figs, maize, nut cereals, nuts (almond), nuts (brazil), nuts (cashew), nuts ("chico-felix"), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), paste (fig), rice, sunflower seeds

AFLATOXINS

incidence: 10*/156, conc. range: 5–9.9 $\mu\text{g/kg}$ (7 sa), 10–14.9 $\mu\text{g/kg}$ (1 sa), 20–24.9 $\mu\text{g/kg}$ (1 samples), >25 $\mu\text{g/kg}$ (1 sa), country: Canada⁵⁹, *AFB₁, AFB₂, AFG₁, AFG₂
incidence: 2/27, conc. range: 29–41 $\mu\text{g/kg}$, $\emptyset$ conc.: 35 $\mu\text{g/kg}$, country: USA¹⁹⁷
incidence: 2/4, conc. range: ≤ 8 $\mu\text{g/kg}$, $\emptyset$ conc.: 4 $\mu\text{g/kg}$, country: USA¹⁹⁷

see also beans, candy (peanut), candy (pistachio), cassava, figs, flour (maize), grain mixtures, grains, maize, maize dough, maize products, melon seeds, millet, nuts, nuts (almond), nuts (brazil), nuts (peanut), nuts (peanut butter), nuts (peanut mix), nuts (peanut products), nuts (pecan), nuts (pistachio), nuts and seeds, paste (peanut), paste (pipian), peas, rice, sauce (leaf), snacks, sorghum, spices, spices (chilli), spices (cumin), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper), spices (tandoori), teff, tubers, wheat

OCHRATOXIN A

incidence: 7/20, conc. range: 0.04–0.23 $\mu\text{g/kg}$, $\emptyset$ conc.: 0.11 $\mu\text{g/kg}$, country: Morocco⁸⁵⁹

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquourice, liquourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpnickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic

pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

RUBRATOXIN

incidence: 1/9, conc.: 210 µg/kg, country: India⁸⁰²

see also nuts (almond), spices (turmeric), wheat

ZEARALENONE

incidence: 1/20, conc.: 125 µg/kg, country: Egypt⁴⁹⁰

see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Nuts and seeds may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 14/17, conc. range: 4–74 µg/kg, Ø conc.: 24 µg/kg, country: Egypt¹⁶²

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips

(yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXINS

incidence: 1/23, conc.: 64 µg/kg, country: Philippine³²

see also beans, candy (peanut), candy (pistachio), cassava, figs, flour (maize), grain mixtures, grains, maize, maize dough, maize products, melon seeds, millet, nuts, nuts (almond), nuts (brazil), nuts (peanut), nuts (peanut butter), nuts (peanut mix), nuts (peanut products), nuts (pecan), nuts (pistachio), nuts (walnut), paste (peanut), paste (pipian), peas, rice, sauce (leaf), snacks, sorghum, spices, spices (chilli), spices (cumin), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper), spices (tandoori), teff, tubers, wheat

Oat bran

see Bran (oat)

Oat flakes

see Flakes (oat)

Oat groats

see Groats (oat)

Oat gruel

see Gruel (oat)

Oat products may contain the following mycotoxins:

DEOXYNIVALENOL

incidence: 87/335*, conc. range: 10–404 µg/kg, country: UK⁸⁴¹, *products such as porridge oats, biscuits, cereals and baby food see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

3-ACETYLDEOXYNIVALENOL

incidence: 1/335*, conc.: 38 µg/kg, country: UK⁸⁴¹, *products such as porridge oats, biscuits, cereals and baby food see also barley, bread, cereals, cereals (breakfast), flakes (oat), flour (maize), flour (wheat), food, food (baby), grits (maize), maize, oats, rice, rye, snacks, wheat

15-ACETYLDEOXYNIVALENOL

incidence: 4/335*, conc. range: 16–41 µg/kg, country: UK⁸⁴¹, *products such as porridge oats, biscuits, cereals and baby food see also barley, bran (oat), bran (wheat), cereals (breakfast), flour (maize), flour (wheat), food, grits (maize), maize, noodles, oats, snacks, wheat

FUSARENON X

incidence: 2/335*, conc. range: 17–18 µg/kg, Ø conc.: 17.5 µg/kg, country: UK⁸⁴¹, *products such as porridge oats, biscuits, cereals and baby food see also cereals (breakfast), flour (maize), food, maize, spices (curry), spices (garlic)

HT-2 TOXIN

incidence: 103/335*, conc. range: 10–72 µg/kg, country: UK⁸⁴¹, *products such as porridge oats, biscuits, cereals and baby food see also barley, bran (oat), bran (wheat), bread, cereal (baby), cereals, cereals (breakfast), flakes (oat), flour (maize), flour (wheat), food, food (baby), germ (wheat), grits (maize), groats (oat), maize, noodles, nuts (hazelnut), oats, products, pumpkin seeds, rye, spices (chilli powder), spices (curry), sunflower seeds, wheat

NEOSOLANIOL

incidence: 1/335*, conc.: 17 µg/kg, country: UK⁸⁴¹, *products such as porridge oats, biscuits, cereals and baby food see also cereals (breakfast), maize, sorghum, spices (curry), spices (ginger), wheat

NIVALENOL

incidence: 30/335*, conc. range: 10–33 µg/kg, country: UK⁸⁴¹, *products such as porridge oats, biscuits, cereals and baby food

see also barley, beer, biscuits, bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, germ (wheat), grits (maize), grits (wheat), Job's-tears, maize, malt (barley), meal (millet), millet, noodles, oats, rice, rye, snacks, sorghum, soybeans, spices (chilli sauce), spices (curry), spices (curry paste), spices (curry powder), spices (garlic), spices (ginger), spices (tandoori), wheat

T-2 TOXIN

incidence: 59/335*, conc. range: 11–61 µg/kg, country: UK⁸⁴¹, *products such as porridge oats, biscuits, cereals and baby food
see also barley, beans, beer, bran (oat), bran (wheat), bread, cereals, cereals (breakfast), flakes (oat), flour, flour (maize), flour (wheat), food, grits (maize), maize, nuts (hazelnut), nuts (peanut), oats, rice, rye, sorghum, spices (curry), spices (ginger), spices (tandoori), sunflower seeds, wheat

T-2 TRIOL

incidence: 2/335*, conc. range: 18–23 µg/kg, country: UK⁸⁴¹, *products such as porridge oats, biscuits, cereals and baby food
see also maize, wheat

Oats may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 3/30, conc. range: 1–10 µg/kg (2 sa), >10–20 µg/kg (1 sa), country: Cuba⁴⁷
incidence: 2/3*, conc. range: 240–2600 µg/kg, Ø conc.: 1420 µg/kg, country: Sweden¹⁴⁰, *ncac

incidence: 3/31*, conc. range: ≤2.5 µg/kg, country: USSR¹⁹¹, *imported
see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat),

food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

BEAUVERICIN

incidence: 1/1*, conc.: 18 µg/kg, country: Finland⁴⁵⁹, *ncac
see also barley, maize, wheat

DEOXYNIVALENOL

incidence: 7/7, conc. range: 5–100 µg/kg (6 sa), 500–1000 µg/kg (1 sa), country: Finland²¹⁹

incidence: 2/5, conc. range: 1300–2600 µg/kg, Ø conc.: 1950 µg/kg, country: USA⁴²⁴
 incidence: 21/21, conc. range: 7–861 µg/kg, Ø conc.: 168 µg/kg, country: Finland⁴⁵⁵
 incidence: 870/982*, conc. range: 30–62,050 µg/kg, country: Norway⁴⁶⁴, *ncac
 incidence: 9/9*, conc. range: <30–4200 µg/kg, country: Norway⁴⁶⁵, *ncac
 incidence: 102/178*, conc. range: >20–849 µg/kg, Ø conc.: 104 µg/kg, country: Norway⁴⁶⁶, *for food and feed
 incidence: 6/6*, conc. range: 28–11,000 µg/kg, Ø conc.: 2260 µg/kg, country: Finland⁴⁶⁷, *ncac
 incidence: 3/3* **, conc. range: 4–141 µg/kg, Ø conc.: 72.3 µg/kg, country: Finland⁴⁶⁷, *ncac, **/barley mixture
 incidence: 181/272*, conc. range: 3–1480 µg/kg, Ø conc.: 167.5 µg/kg, country: Germany⁵⁰¹, *ncac
 incidence: 2/3, conc. range: 18–25 µg/kg, Ø conc.: 22 µg/kg, country: Germany⁵²⁰
 incidence: 5/23*, Ø conc.: 115 µg/kg, country: Japan⁵³⁰, *ncac
 incidence: 3/3* **, conc. range: 56–147 µg/kg, Ø conc.: 110 µg/kg, country: Japan⁵³⁶, *from The Netherlands, **ncac
 incidence: 4/10* **, Ø conc.: 136 µg/kg, country: Japan⁵³⁸, *from Germany, **ncac
 incidence: 4/4, conc. range: 5–50 µg/kg (3 sa), 50–100 µg/kg (1 sa), country: Finland⁷⁶⁵
 see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

3–ACETYLDEOXYNIVALENOL

incidence: 2/7, conc. range: 5–100 µg/kg (2 sa), country: Finland²¹⁹
 incidence: 12/21, conc. range: 6–219 µg/kg, Ø conc.: 67 µg/kg, country: Finland⁴⁵⁵
 incidence: 1/6*, conc.: 700 µg/kg, country: Finland⁴⁶⁷, *ncac
 incidence: 24/272*, conc. range: 3–115 µg/kg, Ø conc.: 25.1 µg/kg, country: Germany⁵⁰¹, *ncac
 see also barley, bread, cereals, cereals (breakfast), flakes (oat), flour (maize), flour (wheat), food, food (baby), grits (maize), maize, oat products, rice, rye, snacks, wheat

15–ACETYLDEOXYNIVALENOL

incidence: 7/272*, conc. range: 2–25 µg/kg, Ø conc.: 13.1 µg/kg, country: Germany⁵⁰¹, *ncac
 see also barley, bran (oat), bran (wheat), cereals (breakfast), flour (maize), flour (wheat), food, grits (maize), maize, noodles, oat products, snacks, wheat

ENNIATIN A₁

incidence: 1/1*, conc.: tr, country: Finland⁴⁵⁹, *ncac
 see also barley, rye, wheat

ENNIATIN B

incidence: 1/1*, conc.: 23 µg/kg, country: Finland⁴⁵⁹, *ncac
 see also barley, rye, wheat

ENNIATIN B₁

incidence: 1/1*, conc.: tr, country: Finland⁴⁵⁹, *ncac
 see also barley, rye, wheat

HT–2 TOXIN

incidence: 4/7, conc. range: 10–100 µg/kg (4 sa), country: Finland²¹⁹
 incidence: 2/21, conc. range: 33–44 µg/kg, Ø conc.: 39 µg/kg, country: Finland⁴⁵⁵
 incidence: 125/178*, conc. range: >20–880 µg/kg, Ø conc.: 115 µg/kg, country: Norway⁴⁶⁶, *for food and feed
 incidence: 20/272*, conc. range: 10–2018 µg/kg, Ø conc.: 250.5 µg/kg, country: Germany⁵⁰¹, *ncac

incidence: 24/99*, conc. range: 10–47 µg/kg, Ø conc.: 21 µg/kg, country: Poland⁵¹⁰, *ncac
 incidence: 3/3, conc. range: 5–23 µg/kg, Ø conc.: 13 µg/kg, country: Germany⁵²⁰
 see also barley, bran (oat), bran (wheat), bread, cereal (baby), cereals, cereals (breakfast), flakes (oat), flour (maize), flour (wheat), food, food (baby), germ (wheat), grits (maize), groats (oat), maize, noodles, nuts (hazelnut), oat products, products, pumpkin seeds, rye, spices (chilli powder), spices (curry), sunflower seeds, wheat

MONILIFORMIN

incidence: 1/1*, conc.: 84 µg/kg, country: Finland⁴⁵⁹, *ncac
 incidence: 3/3* ** ***, conc. range: 15,700–38,300 µg/kg, Ø conc.: 24,060 µg/kg, country: Poland⁵²⁴, *Fdk, **from Poland, ***ncac
 incidence: 23/73*, conc. range: tr–210 µg/kg, country: Norway⁵⁵⁰, *ncac
 see also barley, corn on the cob, flakes (corn), flour (maize), foodstuff, grits (maize), maize, maize-based thickeners, meal (maize), popcorn, rye, snacks, triticale, wheat

NIVALENOL

incidence: 2/7, conc. range: 15–100 µg/kg (2 sa), country: Finland²¹⁹
 incidence: 3/21, conc. range: 48–83 µg/kg, Ø conc.: 70 µg/kg, country: Finland⁴⁵⁵
 incidence: 18/178*, conc. range: >20–211 µg/kg, Ø conc.: 56 µg/kg, country: Norway⁴⁶⁶, *for food and feed
 incidence: 1/6*, conc.: 28 µg/kg, country: Finland⁴⁶⁷, *ncac
 incidence: 116/272*, conc. range: 2–628 µg/kg, Ø conc.: 79.7 µg/kg, country: Germany⁵⁰¹, *ncac
 incidence: 6/23*, Ø conc.: 438 µg/kg, country: Japan⁵³⁰, *ncac
 incidence: 3/3* **, conc. range: 17–39 µg/kg, Ø conc.: 27 µg/kg, country: Japan⁵³⁶, *from The Netherlands, **ncac
 incidence: 1/10* **, conc.: 1464 µg/kg, country: Japan⁵³⁸, *from Germany, **ncac
 incidence: 4/7* **, Ø conc.: 16 µg/kg, country: Japan⁵³⁸, *from Nepal, **ncac

see also barley, beer, biscuits, bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, germ (wheat), grits (maize), grits (wheat), Job's-tears, maize, malt (barley), meal (millet), millet, noodles, oat products, rice, rye, snacks, sorghum, soybeans, spices (chilli sauce), spices (curry), spices (curry paste), spices (curry powder), spices (garlic), spices (ginger), spices (tandoori), wheat

OCHRATOXIN A

incidence: 12/93*, conc. range: 0.1–58.8 µg/kg, Ø conc.: 9.5 µg/kg, country: Germany⁵⁷⁷, *ncac
 incidence: 21/50*, conc. range: 0.05–4.9 µg/kg (20 sa), 5.6 µg/kg (1 sa), Ø conc.: 0.5 µg/kg**, country: Denmark⁶²⁵, *cg, **arithmetic mean
 incidence: 6/17*, conc. range: 0.05–4.9 µg/kg (6 sa, with a maximum of 4.2 µg/kg), Ø conc.: 0.3 µg/kg**, country: Denmark⁶²⁵, *eg, **arithmetic mean
 incidence: 13/25* **, conc. range: 0.05–4.9 µg/kg (13 sa, with a maximum of 4.6 µg/kg), Ø conc.: 0.5 µg/kg***, country: Denmark⁶²⁵, *imported, **cg, ***arithmetic mean
 incidence: 16/56*, conc. range: 1–5 µg/kg (16 sa, with a maximum of 3.8 µg/kg), country: UK⁶³⁶, *and from different countries?
 incidence: 2/34*, conc. range: 1.4–56.6 µg/kg, Ø conc.: 29 µg/kg, country: Italy⁶⁶⁵, *ncac
 incidence: 24/30, conc. range: ≤0.14 µg/kg, Ø conc.: 0.058 µg/kg, country: Germany⁶⁹⁰
 incidence: 1/46*, conc.: 80 µg/kg, country: UK⁷⁶¹, *ncac
 see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat),

flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

DIACETOXYSCIRPENOL

incidence: 12/99*, conc. range: 10–118 µg/kg, Ø conc.: 23 µg/kg, country: Poland⁵¹⁰, *ncac
see also beans, beer, bran (wheat), cereals, maize, nuts (peanut), products, rice, soybeans, spices (chilli powder), spices (curry), wheat

T-2 TOXIN

incidence: 1/7, conc.: 23 µg/kg, country: Finland²¹⁹

incidence: 2/21, conc. range: 45–73 µg/kg,

Ø conc.: 59 µg/kg, country: Finland⁴⁵⁵

incidence: 53/178*, conc. range: >20–380

µg/kg, Ø conc.: 60 µg/kg, country: Norway⁴⁶⁶,

*for food and feed

incidence: 1/6*, conc.: 18 µg/kg, country:

Finland⁴⁶⁷, *ncac

incidence: 107/272*, conc. range: 2–1686

µg/kg, Ø conc.: 74.1 µg/kg, country:

Germany⁵⁰¹, *ncac

incidence: 15/99*, conc. range: 10–703 µg/kg,

Ø conc.: 6 µg/kg, country: Poland⁵¹⁰, *ncac

incidence: 2/3, conc. range: 6–11 µg/kg,

Ø conc.: 8.5 µg/kg, country: Germany⁵²⁰

see also barley, beans, beer, bran (oat), bran

(wheat), bread, cereals, cereals (breakfast),

flakes (oat), flour, flour (maize), flour

(wheat), food, grits (maize), maize, nuts

(hazelnut), nuts (peanut), oat products, rice,

rye, sorghum, spices (curry), spices (ginger),

spices (tandoori), sunflower seeds, wheat

ZEARALENONE

incidence: 1/7, conc.: 2–8 µg/kg (1 sa),

country: Finland²¹⁹

incidence: 3/5, conc. range: 9–22 µg/kg,

Ø conc.: 16 µg/kg, country: USA⁴²⁴

incidence: 3/21, conc. range: 30–86 µg/kg,

Ø conc.: 63 µg/kg, country: Finland⁴⁵⁵

incidence: 10/29*, conc. range: 10–90 µg/kg,

country: New Zealand⁴⁶⁸, *ncac

incidence: 70/272*, conc. range: 1–223 µg/kg,

Ø conc.: 15.7 µg/kg, country: Germany⁵⁰¹,

*ncac

incidence: 10/23*, Ø conc.: 22 µg/kg,

country: Japan⁵³⁰, *ncac

incidence: 3/3* **, conc. range: 16–29 µg/kg,

Ø conc.: 22 µg/kg, country: Japan⁵³⁶, *from

The Netherlands, **ncac

incidence: 4/10* **, Ø conc.: 47 µg/kg,

country: Japan⁵³⁸, *from Germany, **ncac

incidence: 1/5* **, conc.: 2 µg/kg, country:

Japan⁵³⁸, *from Italy, **ncac

incidence: 5/7* **, Ø conc.: 6 µg/kg, country:

Japan⁵³⁸, *from Nepal, **ncac

see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Ogbono may contain the following mycotoxins:

AFLATOXIN B

incidence: 1/1, conc.: 168 µg/kg, country: Nigeria⁴

see also emu aran, meal (egusi), ogili-ugba, ogoro

Ogili-ugba may contain the following mycotoxins:

AFLATOXIN B

incidence: 1/1, conc.: 211 µg/kg, country: Nigeria⁴

see also emu aran, meal (egusi), ogbono, ogoro

Ogoro may contain the following mycotoxins:

AFLATOXIN B

incidence: 2/2, conc. range: 116–118 µg/kg, Ø conc.: 117 µg/kg, country: Nigeria⁴
see also emu aran, meal (egusi), ogbono, ogili-ugba

Oil may contain the following mycotoxins:

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 1/4*, conc.: 0.1 µg/kg, country: UK⁷³², *chilli, almond

see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil seeds, paste (fig), peas, phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

ZEARALENONE

incidence: 1/4*, conc.: 5.4 µg/kg, country: UK⁷³², *chilli, almond

see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Oil (coconut) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 7/10*, conc. range: <50 µg/l (1 sa), 50–250 µg/l (3 sa), 250–1000 µg/l (1 sa), >1000 µg/l (2 sa), country: Ceylon⁹, *crude see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices

(fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

Oil (mustard) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 33/100, conc. range: 55–87 µg/l, country: India¹⁵⁴
see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (olive), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter /

vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

Oil (olive) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 36/50, conc. range: 0.003–0.046 µg/l, country: Greece⁴⁰

incidence: 14/16*, conc. range: 1–7.5 µg/l, Ø conc.: 3.6 µg/l, country: France¹⁸⁷, *from Greece

incidence: 3/30* **, conc. range: 0.54–2.4 µg/kg, Ø conc.: 1.3 µg/kg, country: Italy⁸⁶², *and from Morocco, **virgin

incidence: 9/50*, conc. range: tr–0.06 µg/l, country: Greece⁸⁶⁴, *virgin

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal

(cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (palm), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 10/16*, conc. range: 1–5.5 µg/l, Ø conc.: 1.8 µg/l, country: France¹⁸⁷, *from Greece

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut

butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFATOXIN G₁

incidence: 5/16*, conc. range: 1–2.5 µg/l, Ø conc.: 1.6 µg/l, country: France¹⁸⁷, *from Greece

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFATOXIN G₂

incidence: 5/16*, conc. range: 1–5 µg/l, Ø conc.: 2.2 µg/l, country: France¹⁸⁷, *from Greece

see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), cocoa, figs, fish, flour (maize), flour (wheat), food, fruits

(lemon), fruits (mango), Ga Kenkey, gruel, maize, maize dough, milk (human breast), nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), paste (soybean), popcorn, raisins, rice, sesame seeds, shoyu, soybeans, spices (cardamom), spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine

OCHRATOXIN A

incidence: 24/30* **, conc. range: 0.1–17 µg/kg, Ø conc.: 2.09 µg/kg, country: Italy⁸⁶², *and from Morocco, **virgin

incidence: 44/50*, conc. range: DL–0.1 µg/l (9 sa), 0.1–0.2 µg/l (15 sa), 0.2–0.5 µg/l (10 sa), >0.5 µg/l (10 sa, with a maximum of 1.03 µg/l), country: Greece⁸⁶⁴, *virgin

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquorice, liquorice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize),

meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Oil (palm) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: ?/8*, conc. range: 324–347 µg/l,

country: Nigeria¹⁷⁷, *unrefined

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran,

maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (peanut), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

Oil (peanut) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 5/16, conc. range: 8–16 µg/l,

country: Malaya³⁷

incidence: 4/6, conc. range: 0.7 µg/l, country: Japan¹⁸⁴

incidence: 8/17, conc. range: 10–70 µg/l,

Ø conc.: 31.3 µg/l, country: Taiwan¹⁹⁰

incidence: 20/30*, conc. range: 4.43–2660 µg/l, country: India⁶⁶⁷, *crude

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa

hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil seed rape, olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 4/6, conc. range: 0.1 µg/l, country: Japan¹⁸⁴

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 5/16, conc. range: ≈8–16 µg/l,

country: Malaya³⁷

incidence: 4/6, conc. range: 0.1 µg/l, country: Japan¹⁸⁴

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi),

spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXIN

incidence: 543/1209, conc. range: <100 µg/l (232 sa), ≤5000 µg/l (311 sa), country: India⁶³

incidence: 5/8*, conc. range: ≤310 µg/l, Ø conc.: 246 µg/l, country: USA¹⁹⁷, *crude see also barley, beer, bran (rice), flour (maize), injera, jars, kocho, maize, maize roti, malt (barley), malt (maize), nuts (peanut), nuts (peanut butter), nuts (pistachio), paste (pepper, red), rice, spices (pepper)

Oil (sesame) may contain the following mycotoxins:

OCHRATOXIN A

incidence: 1/3, conc.: 0.4 µg/l, country: UK⁷³² see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquourice, liquourice root, liver (cow), liver

(duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpnickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Oil seed rape may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 1/20*, conc.: 0.25 µg/kg, country: Spain⁸²⁷, *ncac

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina,

jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), olives, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

CITRININ

incidence: 1/1* **, conc.: 4100 µg/kg, country: UK⁸⁰⁷, *moldy, **ncac
see also angkak (red mold rice), barley, cereals, cheese, food, food colorant, fruits (apple), maize, maize dough, meal (copra), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), olives, rice, spices, spices (cardamom), spices (coriander), spices (cumin), spices (fennel), spices (pepper), spices (turmeric), wheat

STERIGMATOCYSTIN

incidence: 1/1* **, conc.: 40 µg/kg, country: UK⁸⁰⁷, *moldy, **ncac
see also barley, cassava, cheese, coffee, maize, nuts (almond), nuts (pecan), nuts (pistachio), rice, spices, spices (fennel), spices (pepper), wheat

VIOMELLEIN

incidence: 1/1*, conc.: tr, country: UK⁸⁰⁷, *moldy, **ncac
see also barley, wheat

VIOXANTHIN

incidence: 1/1*, conc.: 40 µg/kg, country: UK⁸⁰⁷, *moldy, **ncac
see also barley, wheat

XANTHOMEGNIN

incidence: 1/1*, conc.: tr, country: UK⁸⁰⁷, *moldy, **ncac
see also barley, wheat

Oil seeds may contain the following mycotoxins:

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 9/80*, conc. range: 2–20 µg/kg (7 sa), >20 µg/kg (2 sa), country: Uruguay⁷⁸⁷, *ncac
see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, paste (fig), peas, phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

ZEARALENONE

incidence: 5/64*, conc. range: 100–200 µg/kg (2 sa), >200 µg/kg (3 sa), country:

Uruguay⁷⁸⁷, *ncac

see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Old Kashar

see Cheese

Olive oil

see Oil (olive)

Olives may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 12/103*, conc. range: 5–37 µg/kg,

country: Morocco¹⁸⁵, *black, Greek-style

incidence: 4/?*, conc. range: 0.6–5 µg/kg,

country: Morocco²⁶⁶, *black, Greek style

see

also acha,

areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed,

congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

ALTENUENE

incidence: 1/4, conc.: 1400 µg/kg, country:

Italy³⁴⁰

see also barley, fruits (apple), maize, ragi, rice, sorghum, tomatoes, wheat

ALTERNARIOL

incidence: 4/4, conc. range: 109–2320 µg/kg, Ø conc.: 1120 µg/kg, country: Italy³⁴⁰
 see also bran, fruits (apple), juice (apple, concentrate), fruits (apple, concentrate), fruits (mandarin fruit), spices (pepper), sunflower seeds, tomatoes, wheat

ALTERNARIOL METHYL ETHER

incidence: 4/4, conc. range: 30–2870 µg/kg, Ø conc.: 818 µg/kg, country: Italy³⁴⁰
 see also barley, bran, fruits (apple), fruits (mandarin fruit), fruits (melon), juice (apple, concentrate), ragi, sorghum, spices (pepper), sunflower seeds, tomatoes, wheat

CITRININ

incidence: 3/10*, conc. range: 0.45–0.52 µg/kg, country: Morocco²⁶⁶, * black, Greek style

see also angkak (red mold rice), barley, cereals, cheese, food, food colorant, fruits (apple), maize, maize dough, meal (copra), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), oil seed rape, rice, spices, spices (cardamom), spices (coriander), spices (cumin), spices (fennel), spices (pepper), spices (turmeric), wheat

OCHRATOXIN A

incidence: 5/103*, conc. range: 40–80 µg/kg, country: Morocco¹⁸⁵, * black, Greek-style
 incidence: 7/10*, conc. range: ?–1.02 µg/kg, country: Morocco²⁶⁶, * black, Greek style
 incidence: 4/7, conc. range: 0.3–46,830 µg/kg, country: Tunisia⁶³⁴

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits

(cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquourice, liquourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

TENUAZONIC ACID

incidence: 2/4, conc.: 109–262 µg/kg, Ø conc. 186.5 µg/kg, country: Italy³⁴⁰
 see also bran, cassava, fruits (mandarin fruit), maize, pulp (tomato), ragi, rice, sorghum, spices (pepper), sunflower seeds, tomato purée, tomatoes, wheat

Orange juice

see Juice (orange)

Palm oil

see Oil (palm)

Pancake may contain the following mycotoxins:

DEOXYNIVALENOL

incidence: 4/16* **, conc. range: 700–1500 µg/kg, Ø conc.: 1100 µg/kg, country: USA⁴⁷⁸, *from China, **cooked

see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

ERGOCORNINE

incidence: 2/2*, conc. range: 7–7.2 µg/kg, Ø conc.: 7.1 µg/kg, country: Canada⁸⁰⁶, *dried

see also bread, flour (rye), flour (wheat), tritcale

ERGOCRISTINE

incidence: 2/2*, conc. range: 26–37 µg/kg, Ø conc.: 31.5 µg/kg, country: Canada⁸⁰⁶, *dried

see also bread, flour (rye), flour (wheat), tritcale

ERGOMETRINE

incidence: 2/2*, conc. range: 4.7–10 µg/kg, Ø conc.: 7.35 µg/kg, country: Canada⁸⁰⁶, *dried

see also bread, flour (rye), flour (wheat), tritcale

ERGOSINE

incidence: 2/2*, conc. range: 5.65–10 µg/kg, Ø conc.: 7.83 µg/kg, country: Canada⁸⁰⁶, *dried

see also bread, flour (rye), flour (wheat), tritcale

ERGOTAMINE

incidence: 2/2*, conc. range: 19.5–22 µg/kg, Ø conc.: 20.8 µg/kg, country: Canada⁸⁰⁶, *dried

see also bread, flour (rye), flour (wheat), tritcale

α-ERGOKRYPTINE

incidence: 2/2*, conc. range: 8.25–9.4 µg/kg, Ø conc.: 8.83 µg/kg, country: Canada⁸⁰⁶, *dried

see also bread, flour (rye), flour (wheat), tritcale

FUMONISIN B₁

incidence: 2/16* **, conc. range: 500–2200 µg/kg, Ø conc.: 1067 µg/kg, country: USA⁴⁷⁸, *from China, **cooked

see also arepas, asparagus, barley, batter, beans, beer, bran (maize), bread, cake (rice), cereals, cereals (breakfast), chamomile, chips (maize), chips (tortilla), flakes (corn), flour (maize), food, food (baby), foodstuff, grits (maize), Incaparina, leaves, maize, maize fiber, maize muffin, maize products, maize silk, maize starch, masa, meal (maize), meal (sorghum), milk, muffin mix, nuts (peanut), popcorn, rapoko, rice, snacks, sorghum, soybeans, syrup (sorghum), tea, tortillas, wheat

FUMONISIN B₂

incidence: 2/16* **, conc. range: 700–1100 µg/kg, Ø conc.: 900 µg/kg, country: USA⁴⁷⁸, *from China, **cooked

see also arepas, asparagus, barley, batter, beer, bran (maize), cereals, cereals (breakfast), chips (maize), chips (tortilla), flakes (corn), flour (maize), food (baby), foodstuff, grits (maize), Incaparina, maize, maize fiber, maize starch, masa, meal (maize), muffin mix, popcorn, rice, snacks, tortillas, wheat

FUMONISIN B₃

incidence: 2/16* **, conc. range: 600–700 µg/kg, Ø conc.: 650 µg/kg, country: USA⁴⁷⁸, *from China, **cooked

see also barley, cereal products, cereals, flour (maize), food (baby), Incaparina, maize, meal (maize), popcorn, rice, snacks

Paprika

see Spices (paprika)

Paprika powder

see Spices (paprika)

Paranuts

see Nuts (Brazil)

Parmesan cheese

see Cheese

Pasta may contain the following mycotoxins:

FUMONISINS

incidence: 6/11*, conc. range: <9–511 µg/kg, country: Czech Republic⁶⁷⁰, *maize, gluten-free

see also beer, bread, cereal (infant), chips (tortilla), flakes (corn), flour (maize), grits (maize), maize, maize pops cereal, maize products, maize starch, maize (infant cream corn), meal (maize), muffin mix, popcorn, porridge, products, sorghum, tortillas

OCHRATOXIN A

incidence: 10/10, conc. range: 0.2–3.5 µg/kg, Ø conc.: 1.4 µg/kg, country: Switzerland⁵⁷⁸

incidence: 10/32, conc. range: 0.1–0.19 µg/kg (5 sa), 0.2–0.49 µg/kg (1 sa), 0.5–1.49 µg/kg (4 sa), country: Germany⁶²³

incidence: 2/20*, conc. range: 0.3 µg/kg, Ø conc.: 0.3 µg/kg, country: Germany⁶⁴⁰, *with egg addition

incidence: 6/34*, conc. range: 0.7–5.3 µg/kg, country: Germany⁶⁴⁰, *special

incidence: 1/40*, conc.: 2 µg/kg, country: Germany⁶⁴⁰, *whole meal

incidence: 29/50*, conc. range: ≤1.75 µg/kg, Ø conc.: 0.282 µg/kg, country: Germany⁶⁹⁰, *without egg

incidence: 27/84*, conc. range: ≤0.95 µg/kg, Ø conc.: 0.199 µg/kg, country: Germany⁶⁹⁰, *with egg

incidence: 10/27*, conc. range: ≤29.77 µg/kg, Ø conc.: 2.002 µg/kg, country: Germany⁶⁹⁰, *whole meal

incidence: 8/13*, conc. range: 0.2–0.5 µg/kg (3 sa), 0.6–1 µg/kg (3 sa), 1.1–4 µg/kg (2 sa), with a maximum of 1.6 µg/kg, country: UK⁷⁴⁰, *raw materials

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquourice, liquourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle),

spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Paste (fig) may contain the following mycotoxins:

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 9/10*, conc. range: 1–3.9 µg/kg (3 sa), 4–10 µg/kg (5 sa), 76 µg/kg (1 sa), country: UK⁷³⁹, *port sa

see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, peas, phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

AFLATOXINS (TOTAL)

incidence: 105/132*, conc. range: 1–10 µg/kg (86 sa), >10 µg/kg (19 sa, with a max. of 165 µg/kg), country: UK¹⁶⁴, *from Turkey
see also beans, butter, figs, maize, nut cereals, nuts (almond), nuts (brazil), nuts (cashew), nuts (“chico–felix”), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), rice, sunflower seeds

Paste (peanut) may contain the following mycotoxins:

AFLATOXINS

incidence: 3/3, conc. range: 1.5–4.7 µg/kg, Ø conc.: 3 µg/kg, country: Sudan⁶⁵

incidence: 3/4*, conc. range: ≤11 µg/kg, Ø conc.: 9 µg/kg, country: USA¹⁹⁷, *imported
see also beans, candy (peanut), candy (pistachio), cassava, figs, flour (maize), grain mixtures, grains, maize, maize dough, maize products, melon seeds, millet, nuts, nuts (almond), nuts (brazil), nuts (peanut), nuts (peanut butter), nuts (peanut mix), nuts (peanut products), nuts (pecan), nuts (pistachio), nuts (walnut), nuts and seeds, paste (pipian), peas, rice, sauce (leaf), snacks, sorghum, spices, spices (chilli), spices (cumin), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper), spices (tandoori), teff, tubers, wheat

Paste (pepper, red) may contain the following mycotoxins:

AFLATOXIN

incidence: 1/1* ** ***, conc.: ≤102.2 µg/kg, country: Ethiopia⁷⁶, *red, **paste, ***moldy
see also barley, beer, bran (rice), flour (maize), injera, jars, kocho, maize, maize roti, malt (barley), malt (maize), nuts (peanut), nuts (peanut butter), nuts (pistachio), oil (peanut), rice, spices (pepper)

Paste (pipian) may contain the following mycotoxins:

AFLATOXINS

incidence: 3/3*, conc. range: ≤78 µg/kg, Ø conc.: 53 µg/kg, country: USA¹⁹⁷, *imported

see also beans, candy (peanut), candy (pistachio), cassava, figs, flour (maize), grain mixtures, grains, maize, maize dough, maize products, melon seeds, millet, nuts, nuts (almond), nuts (brazil), nuts (peanut), nuts (peanut butter), nuts (peanut mix), nuts (peanut products), nuts (pecan), nuts (pistachio), nuts (walnut), nuts and seeds, paste (peanut), peas, rice, sauce (leaf), snacks, sorghum, spices, spices (chilli), spices (cumin), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper), spices (tandoori), teff, tubers, wheat

Paste (soybean) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 1/80*, conc.: nc, country: Taiwan⁸²³, *fermented

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olive, peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices

(paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 4/80*, conc. range: nc, country: Taiwan⁸²³, *fermented

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 1/80*, conc.: nc, country: Taiwan⁸²³, *fermented

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts

(coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFATOXIN G₂

incidence: 8/80*, conc. range: nc, country: Taiwan⁸²³, *fermented

see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), cocoa, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, maize, maize dough, milk (human breast), nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), popcorn, raisins, rice, sesame seeds, shoyu, soybeans, spices (cardamom), spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine

Pastries may contain the following mycotoxins:

OCHRATOXIN A

incidence: 23/31*, conc. range: ≤ 0.92 µg/kg, country: Germany⁵⁹², *salt

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa

powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquorice, liquorice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Peaches

see Fruits (peach)

Peanut brittle

see Nuts (peanut brittle)

Peanut butter

see Nuts (peanut butter)

Peanut butter/vegetable oil may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 20*/101, conc. range: 64–1736

µg/kg, country: Nepal²³⁹, * >30 µg/kg

see also acha, areca nut, bacon, barley, beans,

beefburger, beer, betel nut, bondakaledkai,

bread, buckwheat, butter, cassava, cereals,

cereals (breakfast), cheese, chestnut, chips

(yam), chocolate, cocoa, cocoa beans, cocoa

hazelnut cream, coffee beans (green), coix

seed, congressbele, cottonseed, cowpeas,

dates, drinks, figs, fish, flakes (corn), flour,

flour (gram), flour (maize), flour (wheat),

food, food (infant), fruits products, fruits

(apricot), fruits (lemon), fruits (mango),

Ga Kenkey, gram, grits (maize), gruel, herbs

and medicinal plants, hot dog, Incaparina,

jam (bean), Job's-tears, jowar, juice (apple),

kheri, kidney (hare), kidney (pheasant),

kidney (roe deer), kubeba, legume, lentils,

linseeds, liver (hare), liver (pheasant), liver

(pig), liver (roe deer), maize, maize and bran,

maize dough, maize products, marzipan

(almond paste), mchuzi mix, meal

(cottonseed), meal (maize), meal (peanut),

meal (pistachio), meal (posho), meat

(luncheon), meju, melon seeds, milk

products, milk (buffalo), milk (camel), milk

(cow), milk (human breast), milk (sheep),

millet, muesli, nut cocktail, nuts, nuts

(almond), nuts (brazil), nuts (cashew), nuts

(coconut), nuts (coconut products), nuts

(grogannut), nuts (hazelnut), nuts (peanut),

nuts (peanut brittle), nuts (peanut butter),

nuts (peanut products), nuts (pecan), nuts

(pine), nuts (pistachio), nuts (tiger), nuts

(walnut), nuts and seeds, oats, oil (coconut),

oil (mustard), oil (olive), oil (palm), oil

(peanut), oil seed rape, olive, paste

(soybean), peas, poonac, popcorn, ragi,

raisins, rice, sausages, sesame products,

sesame seeds, shiro, snacks, sorghum,

soybeans, spices, spices (ammi), spices

(cardamom), spices (chilli), spices (chilli

powder), spices (coriander), spices (cumin),

spices (curry), spices (fennel), spices

(fenugreek), spices (garlic), spices (ginger),

spices (Indian cassia), spices (ingwer), spices

(mustard), spices (nutmeg), spices (paprika),

spices (pepper), spices (pepper, cayenne),

spices (saffron), spices (turmeric), sugar,

sunflower seeds, taharna (fermented cereal

product), vegetables, wheat, wine

Peanut candy

see Candy (peanut)

Peanut meal

see Meal (peanut)

Peanut mix

see Nuts (peanut mix)

Peanut oil

see Oil (peanut)

Peanut paste

see Paste (peanut)

Peanut products

see Nuts (peanut products)

Peanut sauce

see Sauce (peanut)

Peanuts

see Nuts (peanut)

Pear juice

see Juice (pear)

Pears

see Fruits (pear)

Peas may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 1/35, conc.: 25 µg/kg, country:

Tunisia²⁰

incidence: 1/32, conc. range: 1–10 µg/kg (1 sa), country: Cuba⁴⁷

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olive, paste (soybean), peanut butter / vegetable oil, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne),

spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN G₁

incidence: 1/35, conc.: 42 µg/kg, country: Tunisia²⁰

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 3/13*, conc. range: 18–30 µg/kg, Ø conc.: 24 µg/kg, country: Sudan²⁵⁷, *ncac

see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (figs), phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek),

spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

AFATOXINS

incidence: 3*/19, conc. range: 1–100 µg/kg, country: Uganda⁵, *2 sa contained AFB₁, 1 AFB₂, 1 AFG₁

see also beans, candy (peanut), candy (pistachio), cassava, figs, flour (maize), grain mixtures, grains, maize, maize dough, maize products, melon seeds, millet, nuts, nuts (almond), nuts (brazil), nuts (peanut), nuts (peanut butter), nuts (peanut mix), nuts (peanut products), nuts (pecan), nuts (pistachio), nuts (walnut), nuts and seeds, paste (peanut), paste (pipian), rice, sauce (leaf), snacks, sorghum, spices, spices (chilli), spices (cumin), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper), spices (tandoori), teff, tubers, wheat

OCHRATOXIN A

incidence: 1*/84**, conc.: 21 µg/kg, country: Canada²⁶, *imported, **and dry beans
incidence: 1/15*, conc.: 1.4 µg/kg, country: Germany⁶⁴⁰, *and chickpeas

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), goats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney

(poultry), knäckebröd, lentils, linseeds, liquourice, liquourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Peas, lentils, beans

see Legume

Pecans

see Nuts (pecan)

Pepper

see Spices (pepper)

Pepper (cayenne)

see Spices (pepper, cayenne)

Pepper– and barbecue sauce

see Sauce

Phane may contain the following mycotoxins:

AFATOXINS (B₁, B₂, G₁, G₂)

incidence: 16/28, conc. range: 0.1–10 µg/kg,

Ø conc.: 2.5 µg/kg, country: Botswana⁸¹³

see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (figs), peas, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

Pheasant

see Kidney (pheasant) as well as Liver (pheasant)

Pig

see Pork

Pig blood may contain the following mycotoxins:

OCHRATOXIN A

incidence: 36/195, conc. range: 3–270 µg/l,

country: Poland⁶²¹

incidence: 63/105, conc. range: ≤122 µg/l,

country: Poland⁷²⁴

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa,

copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquorice, liquorice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Pig kidney

see Kidney (pig)

Pig muscle may contain the following mycotoxins:

OCHRATOXIN A

incidence: 9/52, conc. range: ≤ 0.53 $\mu\text{g/kg}$,
 $\emptyset$ conc.: 0.15 $\mu\text{g/kg}$, country: Romania⁵⁸⁶
 see also barley, beans, beef, beer, berries
 (strawberry), biscuits, bran, bran (barley),
 bran (oat), bran (wheat), bread, buckwheat,
 butter, cake (cocoa), cereal products, cereals,
 cereals (breakfast), cheese, chicken, chicken
 muscle, chocolate, chocolate and chocolate
 cream, cocoa beans, cocoa mass, cocoa
 powder, coffee, coffee beans (green), coppa,
 copra, crème puddings, currants, dates,
 drink, drink (cocoa), drink (malt), drugs,
 duck, extrudates, figs, fish, flakes (cereal),
 flakes (corn), flakes (oat), flakes (wheat),
 flour, flour (cassava), flour (maize), flour
 (rye), flour (wheat), food, food (baby), food
 (infant), fruits, fruits (apple), fruits (apricot),
 fruits (cherry), fruits (peach), fruits (plum),
 fruits (prune), germ (wheat), goose, grits,
 grits (durum), grits (maize), groats (barley),
 gruel, gruel (oat), ham, jam, joints, juice
 (carrot), juice (currant), juice (fruit), juice
 (grape), juice (tomato), kidney (pig), kidney
 (poultry), knäckebröd, lentils, linseeds,
 liquourice, liquourice root, liver (cow), liver
 (duck), liver (goose), liver (pig), liver
 (turkey), maize, maize dough, malt, malt
 (barley), meal (buckwheat), meal (cereal),
 meal (maize), meal (rye), meal (spelt), meal
 (wheat), meat and fish, milk (cow), milk
 (human breast), millet, muesli, must,
 noodles, nut slice, nuts, nuts (almond), nuts
 (cashew), nuts (coconut), nuts (hazelnut),
 nuts (peanut), nuts (peanut butter), nuts
 (pistachio), nuts (walnut), oats, oil (olive), oil
 (sesame), olives, pasta, pastries, peas, pig
 blood, pig serum, pig (black pudding), plant
 commodities, popcorn, pork, pork pate,
 potatoes, products, pulp (grape), pulses,
 pumpernickel, ragi, raisins, rice, rolls, rusk,
 rye, sandwich, sauce, sausages, sesame seeds,
 snacks, sorghum, soybeans, spelt, spice
 powder, spices (cardamom), spices (chilli),
 spices (chilli pickle), spices (chilli powder),
 spices (chilli sauce), spices (coriander), spices
 (curry), spices (curry paste), spices (curry
 powder), spices (fennel), spices (garlic

pickle), spices (ginger), spices (mustard),
 spices (nutmeg), spices (paprika), spices
 (pepper), spices (pepper, cayenne), spices
 (tandoori), spices (turmeric), sultanas,
 sunflower seeds, tea, tomato ketchup,
 tomatoes, turkey, vegetables, vinegar, wheat,
 wine

Pig liver

see Liver (pig)

Pig serum may contain the following
 mycotoxins:

OCHRATOXIN A

incidence: 93/191, conc. range: 0.1–67.3 $\mu\text{g/l}$,
 $\emptyset$ conc.: 5.8 $\mu\text{g/l}$, country: Germany⁵⁷⁷
 incidence: 51/52, conc. range: ≤ 13.4 $\mu\text{g/l}$,
 $\emptyset$ conc.: 2.43 $\mu\text{g/l}$, country: Romania⁵⁸⁶
 incidence: 118/487, conc. range: 0.1–0.5 $\mu\text{g/l}$
 (104 sa), 0.51–1 $\mu\text{g/l}$ (5 sa), ≤ 30.4 $\mu\text{g/l}$ (9 sa),
 country: Austria⁵⁸⁹
 incidence: 44/85, conc. range: 0.1–0.9 $\mu\text{g/l}$
 (26 sa), 1–1.9 $\mu\text{g/l}$ (5 sa), 2–2.9 $\mu\text{g/l}$ (5 sa),
 3–3.9 $\mu\text{g/l}$ (2 sa), 4–4.9 $\mu\text{g/l}$ (2 sa), ≤ 17.6 $\mu\text{g/l}$
 (4 sa), country: Germany⁶⁰³
 incidence: 910/1200, conc. range: < 10 $\mu\text{g/l}$
 (774 sa), 10–20 $\mu\text{g/l}$ (87 sa), 20–50 $\mu\text{g/l}$
 (36 sa), 50–100 $\mu\text{g/l}$ (8 sa), 100–150 $\mu\text{g/l}$
 (2 sa), 150–200 $\mu\text{g/l}$ (2 sa), 229 $\mu\text{g/l}$ (1 sa),
 country: Canada⁶⁴⁴
 incidence: 572/1588, conc. range: 0.3–211
 $\mu\text{g/l}$, country: Canada⁶⁴⁸
 incidence: 191/216, conc. range: ≤ 0.1 $\mu\text{g/l}$
 (178 sa), ≤ 1 $\mu\text{g/l}$ (11 sa), ≤ 5 $\mu\text{g/l}$ (2 sa, with
 a maximum of 12.5 $\mu\text{g/l}$), $\emptyset$ conc.: 0.5 $\mu\text{g/l}$,
 country: Norway⁶⁷⁵
 see also barley, beans, beef, beer, berries
 (strawberry), biscuits, bran, bran (barley), bran
 (oat), bran (wheat), bread, buckwheat, butter,
 cake (cocoa), cereal products, cereals, cereals
 (breakfast), cheese, chicken, chicken muscle,
 chocolate, chocolate and chocolate cream,
 cocoa beans, cocoa mass, cocoa powder, coffee,
 coffee beans (green), coppa, copra, crème
 puddings, currants, dates, drink, drink (cocoa),
 drink (malt), drugs, duck, extrudates, figs, fish,
 flakes (cereal), flakes (corn), flakes (oat), flakes
 (wheat), flour, flour (cassava), flour (maize),

flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

ZEARALENONE

incidence: 9/52, conc. range: $\leq 0.964 \mu\text{g/l}$,
 $\varnothing$ conc.: $0.8 \mu\text{g/l}$, country: Romania⁵⁸⁶
 see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food

(infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Pig (black pudding) may contain the following mycotoxins:

OCHRATOXIN A

incidence: 4/28*, conc. range: $1\text{--}5 \mu\text{g/kg}$ (4 sa, with a maximum of $1.8 \mu\text{g/kg}$), country: UK⁶³⁶, *and from different countries?
 see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize),

meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Pilsener

see Beer

Pine nuts

see Nuts (pine)

Pinhol

see Spices (pinhol)

Pipian paste

see Paste (pipian)

Pistachio candy

see Candy (pistachio)

Pistachio meal

see Meal (pistachio)

Pistachios

see Nuts (pistachio)

Pito

see Beer

Plant commodities may contain the following mycotoxins:

OCHRATOXIN A

incidence: 6/315, conc. range: 3–8 µg/kg

country: Canada²⁶

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquourice, liquourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices

(curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Plasma

see Pig (serum)

Plum pulp

see Pulp (plum)

Plums

see Fruits (plum)

Polenta

see Grits (maize)

Poonac may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 20/38, conc. range: <50 µg/kg (4 sa), 50–250 µg/kg (10 sa), 250–1000 µg/kg (5 sa), ≤1270 µg/kg (1 sa), country: Ceylon⁹
see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan

(almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olive, paste (soybean), peanut butter / vegetable oil, peas, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

Popcorn may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 2/24, conc. range: 8–59 µg/kg, Ø conc.: 33.5 µg/kg, country: Brazil²³⁰
incidence: 5/15, conc. range: 20–47 µg/kg, Ø conc.: 35 µg/kg, country: Brazil⁸¹⁶
see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits

(apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olive, paste (soybean), peanut butter / vegetable oil, peas, poonac, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 1/24, conc.: 2.4 µg/kg, country: Brazil²³⁰

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango),

Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 1/15, conc.: 18 µg/kg, country: Brazil⁸¹⁶

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFATOXIN G₂

incidence: 1/15, conc.: 8 µg/kg, country: Brazil⁸¹⁶

see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), cocoa, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, maize, maize dough, milk (human breast), nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), paste (soybean), raisins, rice, sesame seeds, shoyu, soybeans, spices (cardamom), spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine

DEOXYNIVALENOL

incidence: 4/8, conc. range: 2800–4500 µg/kg, Ø conc.: 3900 µg/kg, country: USA⁴²⁴
 incidence: 7/7*, conc. range: 12–250 µg/kg, Ø conc.: 84 µg/kg, country: Japan⁵³¹, *from USA

incidence: 9/18, conc. range: ≤180 µg/kg, country: USA⁵⁴⁵

see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, rice, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

FUMONISIN B₁

incidence: 4/9, conc. range: ≤1720 µg/kg, Ø conc.: 210 µg/kg, country: Brazil²¹⁵

incidence: 1/18*, conc.: 69.4 µg/kg, country: USA²³⁵, *products

incidence: 2/8, conc. range: 114–115 µg/kg, Ø conc.: 114.5 µg/kg, country: Germany²⁷⁴

incidence: 16/36*, conc. range: 3–161 µg/kg, country: Germany²⁹⁰, *partly imported from Canada, Italy, USA

incidence: 4/6*, conc. range: 10–60 µg/kg, Ø conc.: 28.3 µg/kg, country: Italy³⁶²,

*kernels and product

incidence: 4/9, conc. range: 1–474 µg/kg, country: Denmark³⁸⁵

incidence: 1/2, conc.: 199 µg/kg, country: Uruguay³⁹⁹

incidence: ?/5, conc. range: <100–500 µg/kg, country: USA⁴⁰³

incidence: 2/2, conc. range: 10–60 µg/kg, Ø conc.: 35 µg/kg, country: USA⁴¹⁰

incidence: 7/22, conc. range: ≤1003 µg/kg, Ø conc.: 347.3 µg/kg, country: Taiwan⁴¹⁸

incidence: 4/6, conc. range: 12–114 µg/kg, Ø conc.: 69.3 µg/kg, country: Germany⁴²⁰

incidence: 4/8, conc. range: 78–246 µg/kg, Ø conc.: 168 µg/kg, country: Colombia⁶⁷²

incidence: 6/8* **, conc. range: 12–424 µg/kg, Ø conc.: 100 µg/kg, country: Sweden⁶⁸²,

*imported?, **and flour, gruel

see also arepas, asparagus, barley, batter, beans, beer, bran (maize), bread, cake (rice), cereals, cereals (breakfast), chamomile, chips (maize), chips (tortilla), flakes (corn), flour (maize), food, food (baby), foodstuff, grits (maize), Incaparina, leaves, maize, maize fiber, maize muffin, maize products, maize silk, maize starch, masa, meal (maize), meal (sorghum), milk, muffin mix, nuts (peanut), pancake, rapoko, rice, snacks, sorghum, soybeans, syrup (sorghum), tea, tortillas, wheat

FUMONISIN B₂

incidence: 4/9, conc. range: ≤300 µg/kg, Ø conc.: 180 µg/kg, country: Brazil²¹⁵

incidence: 1/6*, conc.: 20 µg/kg, country: Italy³⁶², *kernels and product

incidence: 1/9, conc.: 59 µg/kg, country: Denmark³⁸⁵

incidence: 7/22, conc. range: ≤273 µg/kg, Ø conc.: 115.7 µg/kg, country: Taiwan⁴¹⁸

incidence: 3/8, conc. range: 62–78 µg/kg,
Ø conc.: 72 µg/kg, country: Colombia⁶⁷²

incidence: 3/8* **, conc. range: 8–38 µg/kg,
Ø conc.: 18 µg/kg, country: Sweden⁶⁸²,

*imported?, **and flour, gruel

see also arepas, asparagus, barley, batter, beer,
bran (maize), cereals, cereals (breakfast),
chips (maize), chips (tortilla), flakes (corn),
flour (maize), food (baby), foodstuff, grits
(maize), Incaparina, maize, maize fiber,
maize starch, masa, meal (maize), muffin
mix, pancake, rice, snacks, tortillas, wheat

FUMONISIN B₃

incidence: 1/18*, conc.: 45.76 µg/kg, country:
USA²³⁵, *products

see also barley, cereal products, cereals, flour
(maize), food (baby), Incaparina, maize, meal
(maize), pancake, rice, snacks

FUMONISINS (B₁, B₂, B₃)

incidence: 6/13*, conc. range: 14–784 µg/kg,
country: UK³⁸³, *popping and microwaveable

see also bran (maize), cereals (breakfast),
flour, flour (maize), germ (maize), grains,
grits (maize), maize, maize-based thickeners,
snacks, tortillas

FUMONISINS

incidence: 1/1*, conc.: 250 µg/kg, country:
USA³⁵⁷

see also beer, bread, cereal (infant), chips
(tortilla), flakes (corn), flour (maize), grits
(maize), maize, maize pops cereal, maize
products, maize starch, maize (infant cream
corn), meal (maize), muffin mix, pasta,
porridge, products, sorghum, tortillas

MONILIFORMIN

incidence: 6/22, conc. range: <15–91 µg/kg,
country: UK⁷⁴³

see also barley, corn on the cob, flakes
(corn), flour (maize), foodstuff, grits
(maize), maize, maize-based thickeners, meal
(maize), oats, rye, snacks, triticale, wheat

OCHRATOXIN A

incidence: 1/29, conc.: 1.4 µg/kg, country:
Germany⁶⁴⁰

see also barley, beans, beef, beer, berries
(strawberry), biscuits, bran, bran (barley),

bran (oat), bran (wheat), bread, buckwheat,
butter, cake (cocoa), cereal products, cereals,
cereals (breakfast), cheese, chicken, chicken
muscle, chocolate, chocolate and chocolate
cream, cocoa beans, cocoa mass, cocoa
powder, coffee, coffee beans (green), coppa,
copra, crème puddings, currants, dates, drink,
drink (cocoa), drink (malt), drugs, duck,
extrudates, figs, fish, flakes (cereal), flakes
(corn), flakes (oat), flakes (wheat), flour, flour
(cassava), flour (maize), flour (rye), flour
(wheat), food, food (baby), food (infant),
fruits, fruits (apple), fruits (apricot), fruits
(cherry), fruits (peach), fruits (plum), fruits
(prune), germ (wheat), goose, grits, grits
(durum), grits (maize), groats (barley), gruel,
gruel (oat), ham, jam, joints, juice (carrot),
juice (currant), juice (fruit), juice (grape),
juice (tomato), kidney (pig), kidney (poultry),
knäckebröd, lentils, linseeds, liquourice,
liquourice root, liver (cow), liver (duck),
liver (goose), liver (pig), liver (turkey), maize,
maize dough, malt, malt (barley), meal
(buckwheat), meal (cereal), meal (maize),
meal (rye), meal (spelt), meal (wheat), meat
and fish, milk (cow), milk (human breast),
millet, muesli, must, noodles, nut slice, nuts,
nuts (almond), nuts (cashew), nuts (coconut),
nuts (hazelnut), nuts (peanut), nuts (peanut
butter), nuts (pistachio), nuts (walnut), oats,
oil (olive), oil (sesame), olives, pasta, pastries,
peas, pig blood, pig muscle, pig serum, pig
(black pudding), plant commodities, pork,
pork pate, potatoes, products, pulp (grape),
pulses, pumpernickel, ragi, raisins, rice, rolls,
rusk, rye, sandwich, sauce, sausages, sesame
seeds, snacks, sorghum, soybeans, spelt, spice
powder, spices (cardamom), spices (chilli),
spices (chilli pickle), spices (chilli powder),
spices (chilli sauce), spices (coriander), spices
(curry), spices (curry paste), spices (curry
powder), spices (fennel), spices (garlic pickle),
spices (ginger), spices (mustard), spices
(nutmeg), spices (paprika), spices (pepper),
spices (pepper, cayenne), spices (tandoori),
spices (turmeric), sultanas, sunflower
seeds, tea, tomato ketchup, tomatoes,
turkey, vegetables, vinegar, wheat, wine

ZEARALENONE

incidence: 1/24, conc.: 448 µg/kg, country: Brazil²³⁰

incidence: 1/8, conc.: 10 µg/kg, country: USA⁴²⁴

incidence: 4/7, conc. range: 2.5–130 µg/kg, Ø conc.: 38 µg/kg, country: USA⁸³¹

see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Poppadoms may contain the following mycotoxins:

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: ?/4, conc. range: 0.6–2 µg/kg, country: UK⁷³²

see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (figs), peas, phane, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder),

spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

Pork may contain the following mycotoxins:

OCHRATOXIN A

incidence: 10/58, conc. range: ≤0.14 µg/kg, country: Germany⁵⁹⁸

incidence: 64/76*, conc. range: ≤1.3 µg/kg, country: Denmark⁶²⁴, *c

incidence: 4/7*, conc. range: ≤0.12 µg/kg, country: Denmark⁶²⁴, *o

incidence: 228/300, conc. range: 0.03–0.06 µg/kg (134 sa), 0.06–0.09 µg/kg (27 sa), 0.09–0.5 µg/kg (55 sa), 0.5–1 µg/kg (3 sa), >1 µg/kg (9 sa, with a maximum of 2.9 µg/kg), Ø conc.: 0.12 µg/kg*, country: Denmark⁶²⁶, *arithmetic mean

incidence: 1/12, conc.: 5 µg/kg, country: Yugoslavia⁶²⁹

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal),

meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Pork pate may contain the following mycotoxins:

OCHRATOXIN A

incidence: 1/10, conc.: <4 µg/kg, country: UK⁷⁴²

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum),

fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquourice, liquourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Porridge may contain the following mycotoxins:

AFLATOXIN B₂

incidence: 1*/?, conc.: tr, country: Kenya⁷⁴⁶, *rolled, oats

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango),

Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

FUMONISINS

incidence: 18/19*, conc. range: <9–788 µg/kg, country: Czech Republic⁶⁷⁰, *maize instant, gluten-free

see also beer, bread, cereal (infant), chips (tortilla), flakes (corn), flour (maize), grits (maize), maize, maize pops cereal, maize products, maize starch, maize (infant cream corn), meal (maize), muffin mix, pasta, popcorn, products, sorghum, tortillas

Port wine

see Wine

Posho meal

see Meal (posho)

Potatoes may contain the following mycotoxins:

OCHRATOXIN A

incidence: 1/11*, conc.: 4.26 µg/kg, country: Germany²⁸⁹, *moldy

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat,

butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Poultry kidney

see Kidney (poultry)

Products may contain the following mycotoxins:

FUMONISINS

incidence: 26/26*, conc. range: 14–1178 µg/kg, Ø conc.: 301 µg/kg, country: Czech Republic⁶⁷⁰, *maize-extruded, gluten-free see also beer, bread, cereal (infant), chips (tortilla), flakes (corn), flour (maize), grits (maize), maize, maize pops cereal, maize products, maize starch, maize (infant cream corn), meal (maize), muffin mix, pasta, popcorn, porridge, sorghum, tortillas

HT-2 TOXIN

incidence: 1/21*, conc.: 5 µg/kg, country: Germany⁵²⁰, *potato see also barley, bran (oat), bran (wheat), bread, cereal (baby), cereals, cereals (breakfast), flakes (oat), flour (maize), flour (wheat), food, food (baby), germ (wheat), grits (maize), groats (oat), maize, noodles, nuts (hazelnut), oat products, oats, pumpkin seeds, rye, spices (chilli powder), spices (curry), sunflower seeds, wheat

OCHRATOXIN A

incidence: 3/21*, conc. range: ≤0.04 µg/kg, country: Germany⁵⁹⁸, *cooked incidence: 12/30*, conc. range: ≤0.86 µg/kg, Ø conc.: 0.205 µg/kg, country: Germany⁶⁹⁰, *mixed (Tortellini) see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food

(infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquorice, liquorice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

SCIRPENOL

incidence: 2/21*, conc. range: 23–35 µg/kg, country: Germany⁵²⁰, *potato

DIACETOXYSCIRPENOL

incidence: 1/21*, conc.: 21 µg/kg, country: Germany⁵²⁰, *potato see also beans, beer, bran (wheat), cereals, maize, nuts (peanut), oats, rice, soybeans, spices (chilli powder), spices (curry), wheat

15-MONOACETOXYSCIRPENOL

incidence: 3/21*, conc. range: 5–26 µg/kg,
country: Germany⁵²⁰, *potato

ZEARALENONE

incidence: 1/21*, conc.: 2 µg/kg, country:
Germany⁵²⁰, *potato

see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Prunes

see Fruits (prune)

Pulp (grape) may contain the following mycotoxins:

OCHRATOXIN A

incidence: 14/16*, conc. range: 0.0212–0.0354 µg/l, country: Brazil²⁶⁰, *frozen

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes

(corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquourice, liquourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Pulp (plum) may contain the following mycotoxins:

PATULIN

incidence: 1/1, conc.: 0.8 µg/kg, country:
Germany⁷⁰⁵

see also apple cider, apple flavor, apples (stewed fruit), berries (blueberry), berries (lingnonberry), berries (mulberry), berries

(raspberry), berries (strawberry), cassava, cheese, food (baby), fruit products, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (pear), fruits (plum), jam, jam (apple), juice, juice (apple), juice (apple–acerola), juice (apple, concentrate), juice (cherry), juice (currant), juice (fruit), juice (grape), juice (orange), juice (peach), juice (pear), must, syrup (apple), vinegar

Pulp (tomato) may contain the following mycotoxins:

CYCLOPIAZONIC ACID

incidence: 6/12, conc. range: 64–178 µg/kg, Ø conc.: 109.2 µg/kg, country: Brazil³³²
see also cassava, cheese, maize, milk (cow), nuts (peanut), tomato purée

TENUAZONIC ACID

incidence: 7/12, conc. range: 39–111 µg/kg, Øs conc.: 73.6 µg/kg, country: Brazil³³²
see also bran, cassava, fruits (mandarin fruit), maize, olives, ragi, rice, sorghum, spices (pepper), sunflower seeds, tomato purée, tomatoes, wheat

Pulses may contain the following mycotoxins:

OCHRATOXIN A

incidence: 2/64, conc. range: >10 µg/kg, country: UK⁷⁴²
see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum),

fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquorice, liquorice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pumpnickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Pumpkin seeds may contain the following mycotoxins:

HT-2 TOXIN

incidence: 1/5, conc.: 5 µg/kg, country: Germany⁵²⁰
see also barley, bran (oat), bran (wheat), bread, cereal (baby), cereals, cereals (breakfast), flakes (oat), flour (maize), flour (wheat), food, food (baby), germ (wheat), grits (maize), groats (oat), maize, noodles, nuts (hazelnut), oat products, oats, products,

rye, spices (chilli powder), spices (curry), sunflower seeds, wheat

ZEARALENONE

incidence: 1/21, conc.: 4 µg/kg, country: Germany⁵²⁰

see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Pumpernickel may contain the following mycotoxins:

OCHRATOXIN A

incidence: 8/9, conc. range: 0.05–0.09 µg/kg (2 sa), 0.1–0.19 µg/kg (3 sa), 0.2–0.49 µg/kg (2 sa), 0.5–1.49 µg/kg (1 sa), country: Germany⁶²³

incidence: 55/64, conc. range: ≤2.288 µg/kg, Ø conc.: 0.145 µg/kg, country: Germany⁶⁹⁰
see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal),

flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquourice, liquourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Ragi may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 8/22, conc. range: 14–240 µg/kg, country: India³⁹⁸

incidence: 10/37, conc. range: 18–55 µg/kg, country: India⁷⁸⁹

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olive, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 5/37, conc. range: 12–30 µg/kg, country: India⁷⁸⁹

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

ALTENUENE

incidence: 1/8*, conc.: 30 µg/kg, country: India³³⁷, *ncac

see also barley, fruits (apple), maize, olives, rice, sorghum, tomatoes, wheat

ALTERNARIOL METHYL ETHER

incidence: 2/8*, conc. range: 800–1400 µg/kg, Ø conc.: 1100 µg/kg, country: India³³⁷, *ncac

see also barley, bran, fruits (apple), fruits (mandarin fruit), fruits (melon), juice (apple, concentrate), olives, sorghum, spices (pepper), sunflower seeds, tomatoes, wheat

OCHRATOXIN A

incidence: 1/15, conc.: 70 µg/kg, country: India⁶⁵⁶

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpnickel, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices

(tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

TENUAZONIC ACID

incidence: 3/8*, conc. range: 2030–5700 µg/kg, Ø conc.: 3843 µg/kg, country: India³³⁷, *ncac

see also bran, cassava, fruits (mandarin fruit), maize, olives, pulp (tomato), rice, sorghum, spices (pepper), sunflower seeds, tomato purée, tomatoes, wheat

Raisins may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 1/52, conc.: 0.06 µg/kg, country: France³⁹⁷

incidence: 3/8, conc. range: 15–180 µg/kg, country: India⁸⁰²

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts

(coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olive, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 2/8, conc. range: 16–150 µg/kg, Ø conc.: 83 µg/kg, country: India⁸⁰²
 see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices

(garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 2/8, conc. range: 15–80 µg/kg, Ø conc.: 47.5 µg/kg, country: India⁸⁰²
 see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXIN G₂

incidence: 1/8, conc.: 15 µg/kg, country: India⁸⁰²
 see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), cocoa, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, maize, maize dough, milk (human breast), nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), paste (soybean), popcorn, rice, sesame seeds, shoyu, soybeans, spices (cardamom), spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (ginger), spices (Indian

cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine

OCHRATOXIN A

incidence: 96/118* **, conc. range: <0.1–34.6 µg/kg, country: Sweden²⁵³, *and currants, **imported?

incidence: 101/106*, conc. range: ≤21.4 µg/kg, country: Germany⁵⁹², *and currants
incidence: 17/20*, conc. range: 0.3–>19.5 µg/kg, country: UK⁶³⁵, *from different countries

incidence: 98/101*, conc. range: 0.1 µg/kg (5 sa), 0.2–4 µg/kg (73 sa), 4.1–10 µg/kg (13 sa), 10.1–20 µg/kg (6 sa), 29.8 µg/kg (1 sa), country: UK⁶³⁸, *from different countries

incidence: 1/8, conc.: pr, country: India⁸⁰²

incidence: 6/20*, conc. range: 0.05–4.95 µg/kg, Ø conc.: 0.96 µg/kg, country: Morocco⁸⁵⁹, *dried

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquourice, liquourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize),

meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Rapoko may contain the following mycotoxins:

FUMONISIN B₁

incidence: 5/5, conc. range: 300–2000 µg/kg, Ø conc.: 1160 µg/kg, country: Zimbabwe³⁶⁵
see also arepas, asparagus, barley, batter, beans, beer, bran (maize), bread, cake (rice), cereals, cereals (breakfast), chamomile, chips (maize), chips (tortilla), flakes (corn), flour (maize), food, food (baby), foodstuff, grits (maize), Incaparina, leaves, maize, maize fiber, maize muffin, maize products, maize silk, maize starch, masa, meal (maize), meal (sorghum), milk, muffin mix, nuts (peanut), pancake, popcorn, rice, snacks, sorghum, soybeans, syrup (sorghum), tea, tortillas, wheat

Ras cheese

see Cheese

Raspberries

see Berries (raspberry)

Red mold rice

see Angkak (red mold rice)

Red wine

see Wine

Retsina

see Wine

Rice may contain the following mycotoxins:

AFATOXIN B₁

incidence: 1/50, conc.: 28 µg/kg, country:

Egypt⁴³

incidence: 18/715, conc. range: 1–10 µg/kg

(15 sa), >10–20 µg/kg (3 sa), country: Cuba⁴⁷

incidence: 6/8*, conc. range: tr–15 µg/kg,

country: Nepal⁹², *raw

incidence: 4/4*, conc. range: tr–12.5 µg/kg,

country: Nepal⁹², *parboiled

incidence: 2/74, conc. range: 0.3–2.7 µg/kg, Ø

conc.: 1.5 µg/kg, country: Japan⁹⁹

incidence: 1/1*, conc.: 8 µg/kg, country:

Japan¹³⁵, *from Egypt

incidence: 3/39*, conc. range: 285–498.9

µg/kg, Ø conc.: 381.3 µg/kg, country:

Egypt¹⁴⁴, *Paddy

incidence: 2/13, conc. range: 20–50 µg/kg,

Ø conc.: 35 µg/kg, country: India¹⁷⁴

incidence: 3/8, conc. range: 81–150 µg/kg,

country: Nigeria¹⁷⁷

incidence: 2/8, conc. range: 182.4–225.9

µg/kg, Ø conc.: 204.2 µg/kg, country:

Taiwan¹⁹⁰

incidence: 582/1511*, conc. range: ≥5–361

µg/kg, country: India²⁸⁴, *parboiled

incidence: 4/40*, conc. range: 1–13.6 µg/kg,

Ø conc.: 7.13 µg/kg, country: Colombia²⁹⁶,

*and products

incidence: 160/250*, conc. range: 1.3–17.4

µg/kg, country: UAE²⁹⁷, *long grain

incidence: 80/250*, conc. range: 1.3–13.8

µg/kg, country: UAE²⁹⁷, *short grain

incidence: 5/88, conc. range: 1.8–7.3 µg/kg, Ø

conc.: 4.3 µg/kg, country: Korea²⁹⁹

incidence: 19/41, conc. range: 82–1134 µg/kg,

country: India³⁹⁸

incidence: 10/10, conc. range: <1.5–10 µg/kg,

country: Côte d'Ivoire⁵⁵⁷

incidence: 1/?, conc.: tr, country: Kenya⁷⁴⁶

incidence: 9/32*, conc. range: 15–620 µg/kg,

country: India⁷⁸⁹, *broken

incidence: 2/52*, conc. range: 26–38 µg/kg,

Ø conc.: 32 µg/kg, country: Brazil⁸¹⁶,

*polished

incidence: 2/25*, conc. range: 0.2–<0.5 µg/kg

(2 sa, with a maximum of 0.3 µg/kg),

country: UK⁸³⁵, *long grain

incidence: 2/23*, conc. range: 0.2–<0.5 µg/kg

(2 sa, with a maximum of 0.3 µg/kg),

country: UK⁸³⁵, *easy cook

incidence: 9/18*, conc. range: 0.2–<0.5 µg/kg

(6 sa), 0.5–<1 µg/kg (1 sa), 1–<2 µg/kg (2 sa,

with a maximum of 1.7 µg/kg), country:

UK⁸³⁵, *basmati

incidence: 3/6*, conc. range: 0.2–<0.5 µg/kg

(2 sa), 1.6 µg/kg (1 sa), country: UK⁸³⁵,

*brown

incidence: 1/3*, conc.: 0.2 µg/kg, country:

UK⁸³⁵, *ground

see also acha, areca nut, bacon, barley, beans,

beefburger, beer, betel nut, bondakaledkai,

bread, buckwheat, butter, cassava, cereals,

cereals (breakfast), cheese, chestnut, chips

(yam), chocolate, cocoa, cocoa beans, cocoa

hazelnut cream, coffee beans (green), coix

seed, congressbele, cottonseed, cowpeas,

dates, drinks, figs, fish, flakes (corn), flour,

flour (gram), flour (maize), flour (wheat),

food, food (infant), fruits products, fruits

(apricot), fruits (lemon), fruits (mango),

Ga Kenkey, gram, grits (maize), gruel, herbs

and medicinal plants, hot dog, Incaparina,

jam (bean), Job's-tears, jowar, juice (apple),

kheri, kidney (hare), kidney (pheasant),

kidney (roe deer), kubeba, legume, lentils,

linseeds, liver (hare), liver (pheasant), liver

(pig), liver (roe deer), maize, maize and bran,

maize dough, maize products, marzipan

(almond paste), mchuzi mix, meal

(cottonseed), meal (maize), meal (peanut),

meal (pistachio), meal (posho), meat

(luncheon), meju, melon seeds, milk

products, milk (buffalo), milk (camel), milk

(cow), milk (human breast), milk (sheep),

millet, muesli, nut cocktail, nuts, nuts

(almond), nuts (brazil), nuts (cashew), nuts

(coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olive, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 1/4*, conc.: 1.8 µg/kg, country:

Nepal⁹², *parboiled

incidence: 2/74, conc. range: <0.1 µg/kg, country: Japan⁹⁹

incidence: 1/1*, conc.: 2 µg/kg, country:

Japan¹³⁵, *from Egypt

incidence: 6/32*, conc. range: 10–220 µg/kg, country: India⁷⁸⁹, *broken

incidence: 1/52*, conc.: 15 µg/kg, country: Brazil⁸¹⁶, *polished

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut

butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 2/84, conc. range: 73.1–77.5 µg/kg, Ø conc.: 75.3 µg/kg, country: Malaysia³

incidence: 2/74, conc. range: 0–0.9 µg/kg,

Ø conc.: 0.5 µg/kg, country: Japan⁹⁹

incidence: 1/39*, conc.: 32.5 µg/kg, country: Egypt¹⁴⁴, *Paddy

incidence: 1/52*, conc.: 20 µg/kg, country:

Brazil⁸¹⁶, *polished

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXIN G₂

incidence: 3/84, conc. range: 3.7–96.3 µg/kg, Ø conc.: 45.6 µg/kg, country: Malaysia³

see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), cocoa, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, maize, maize dough, milk (human breast), nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), paste (soybean), popcorn, raisins, sesame seeds, shoyu, soybeans, spices (cardamom), spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine

AFLATOXIN

incidence: 29/433* **, conc. range: tr–1130 µg/kg, country: India³²⁰, *rough, **ncac
incidence: 4/238* **, conc. range: tr–120 µg/kg, country: India³²⁰, *raw, **ncac
incidence: 25/142* **, conc. range: tr–130 µg/kg, country: India³²⁰, *parboiled, **ncac
see also barley, beer, bran (rice), flour (maize), injera, jars, kocho, maize, maize roti, malt (barley), malt (maize), nuts (peanut), nuts (peanut butter), nuts (pistachio), oil (peanut), paste (pepper, red), spices (pepper)

AFLATOXINS (B₁, B₂)

incidence: 4/242, conc. range: nc, country: Egypt²⁸⁸
see also flour (maize), maize, meal (protein supplement), millet, spices

AFLATOXINS (B₁, B₂, G₁)

incidence: 9/18*, conc. range: 6–20 µg/kg (2 sa), 21–50 µg/kg (4 sa), ≤83 µg/kg (3 sa) country: Guatemala³³, *with bran
see also coffee, maize, meal (maize), nuts (peanut)

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 2/6, conc. range: <5 µg/kg (1 sa), 8 µg/kg (1 sa) country: Guatemala³³
incidence: 7/364, ∅ conc.: 20 µg/kg, max. conc.: 98 µg/kg, country: Thailand¹⁶³

incidence: 2/242, conc. range: nc, country: Egypt²⁸⁸

incidence: ?/4* **, conc. range: 0.1–2.4 µg/kg, country: UK⁷³², *Basmati, **imported
incidence: 2/25*, conc. range: 0.2–<0.5 µg/kg (2 sa, with a maximum of 0.3 µg/kg), country: UK⁸³⁵, *long grain
incidence: 2/23*, conc. range: 0.2–<0.5 µg/kg (2 sa, with a maximum of 0.3 µg/kg), country: UK⁸³⁵, *easy cook
incidence: 9/18*, conc. range: 0.2–<0.5 µg/kg (6 sa), 1–<2 µg/kg (3 sa, with a maximum of 1.8 µg/kg), country: UK⁸³⁵, *basmati
incidence: 3/6*, conc. range: 0.2–<0.5 µg/kg (2 sa), 1.8 µg/kg (1 sa), country: UK⁸³⁵, *brown

incidence: 1/3*, conc.: 0.2 µg/kg, country: UK⁸³⁵, *ground

see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (figs), peas, phane, poppadoms, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

AFLATOXINS (TOTAL)

incidence: 9/99*, conc. range: >6.8–10 µg/kg (4 sa), –15 µg/kg (3 sa), –35 µg/kg (1 sa), –40 µg/kg (1 sa), country: Switzerland¹³¹, *from Ecuador

see also beans, butter, figs, maize, nut cereals, nuts (almond), nuts (brazil), nuts (cashew), nuts (“chico–felix”), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), paste (fig), sunflower seeds

AFATOXINS

incidence: 1/72*, conc.: 33 µg/kg, country: Philippines³², *includes rice and rice products
 incidence: 14/20, conc. range: 2–19 µg/kg, Ø conc.: 7.9 µg/kg, country: The Gambia⁷²
 incidence: 13/30*, conc. range: 22–317 µg/kg AFB₁, 15–125 µg/kg AFB₂, 14–107 µg/kg AFG₁, 20–98 µg/kg AFG₂, country: India⁷⁸⁴, *ncac

see also beans, candy (peanut), candy (pistachio), cassava, figs, flour (maize), grain mixtures, grains, maize, maize dough, maize products, melon seeds, millet, nuts, nuts (almond), nuts (brazil), nuts (peanut), nuts (peanut butter), nuts (peanut mix), nuts (peanut products), nuts (pecan), nuts (pistachio), nuts (walnut), nuts and seeds, paste (peanut), paste (pipian), peas, sauce (leaf), snacks, sorghum, spices, spices (chilli), spices (cumin), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper), spices (tandoori), teff, tubers, wheat

ALTENUENE

incidence: 2/10, conc. range: ≤100 µg/kg, country: Egypt²⁹¹
 see also barley, fruits (apple), maize, olives, ragi, sorghum, tomatoes, wheat

CITRININ

incidence: 13/33, conc. range: 64.1–279 µg/kg, Ø conc.: 113.8 µg/kg, country: Egypt⁷²¹
 incidence: 2/2*, conc. range: 700–1130 µg/kg, Ø conc.: 915 µg/kg, country: Japan⁷⁴⁷, *brown
 incidence: 4/30*, conc. range: 49–92 µg/kg, country: India⁷⁸⁴, *ncac
 incidence: 6/18*, conc. range: 12–55 µg/kg, country: India⁷⁸⁹, *par-boiled
 see also angkak (red mold rice), barley, cereals, cheese, food, food colorant, fruits (apple), maize, maize dough, meal (copra), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), oil seed rape, olives, spices, spices (cardamom), spices (coriander), spices (cumin), spices (fennel), spices (pepper), spices (turmeric), wheat

DEOXYNIVALENOL

incidence: 3/88*, conc. range: 105–159 µg/kg, Ø conc.: 139 µg/kg, country: Korea²⁶⁴, *polished
 incidence: 3/4, conc. range: 3900–9500 µg/kg, Ø conc.: 6800 µg/kg, country: USA⁴²⁴
 incidence: 14/26, conc. range: 15–305 µg/kg, Ø conc.: 107 µg/kg, country: Germany⁵¹⁷
 incidence: 1/1* ** ***, conc.: 90 µg/kg, country: Papua, New Guinea⁵⁷⁴, *from Australia, **brown trukai, ***ncac
 incidence: ?/4* **, conc. range: 4–6 µg/kg, country: UK⁷³², *basmati, **imported
 incidence: ?/4* **, conc. range: 4–7 µg/kg, country: UK⁷³², *Chinese, **imported
 see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

3-ACETYLDEOXYNIVALENOL

incidence: 2/26, conc. range: 11–20 µg/kg, Ø conc.: 15 µg/kg, country: Germany⁵¹⁷
 see also barley, bread, cereals, cereals (breakfast), flakes (oat), flour (maize), flour (wheat), food, food (baby), grits (maize), maize, oat products, oats, rye, snacks, wheat

FUMONISIN B₁

incidence: 2/88*, conc. range: 48.2–60.6 µg/kg, Ø conc.: 54.4 µg/kg, country: Korea²⁶⁴, *polished
 incidence: 8/20*, conc. range: tr–4100 µg/kg, Ø conc.: 2637 µg/kg, country: USA³⁴⁸, *unpolished

incidence: 24/60*, conc. range: 4–144 µg/kg, Ø conc.: 41.2 µg/kg, country: Korea³⁷⁴, *polished

see also arepas, asparagus, barley, batter, beans, beer, bran (maize), bread, cake (rice), cereals, cereals (breakfast), chamomile, chips (maize), chips (tortilla), flakes (corn), flour (maize), food, food (baby), foodstuff, grits (maize), Incaparina, leaves, maize, maize fiber, maize muffin, maize products, maize silk, maize starch, masa, meal (maize), meal (sorghum), milk, muffin mix, nuts (peanut), pancake, popcorn, rapoko, snacks, sorghum, soybeans, syrup (sorghum), tea, tortillas, wheat

FUMONISIN B₂

incidence: 5–6/20*, conc. range: 700–1200 µg/kg, country: USA³⁴⁸, *unpolished

see also arepas, asparagus, barley, batter, beer, bran (maize), cereals, cereals (breakfast), chips (maize), chips (tortilla), flakes (corn), flour (maize), food (baby), foodstuff, grits (maize), Incaparina, maize, maize fiber, maize starch, masa, meal (maize), muffin mix, pancake, popcorn, snacks, tortillas, wheat

FUMONISIN B₃

incidence: 4–5/20*, conc. range: 500–600 µg/kg, country: USA³⁴⁸, *unpolished

see also barley, cereal products, cereals, flour (maize), food (baby), Incaparina, maize, meal (maize), pancake, popcorn, snacks

FUMONISINS (B₁, B₂)

incidence: 1/4* **, conc.: 28 µg/kg, country: UK⁷³², *basmati, **imported

see also beer, flour (maize), food (infant), maize, meal (maize), noodles, spice powder, spices (chilli pickle), spices (curry), spices (curry paste), spices (curry powder), spices (tandoori)

NIVALENOL

incidence: 5/88*, conc. range: 182–462 µg/kg, Ø conc.: 352 µg/kg, country: Korea²⁶⁴, *polished

incidence: 2/9*, Ø conc.: 22 µg/kg, country: Japan⁵³⁰, *ncac

incidence: 2/9* **, Ø conc.: 22 µg/kg, country: Japan⁵³⁸, *from Nepal, **ncac

incidence: 1/1* ** ***, conc.: 63 µg/kg, country: Papua, New Guinea⁵⁷⁴, *from

Australia, **brown trukai, ***ncac

incidence: ?/4* **, conc. range: 4–11 µg/kg, country: UK⁷³², *basmati, **imported

see also barley, beer, biscuits, bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, germ (wheat), grits (maize), grits (wheat), Job's-tears, maize, malt (barley), meal (millet), millet, noodles, oat products, oats, rye, snacks, sorghum, soybeans, spices (chilli sauce), spices (curry), spices (curry paste), spices (curry powder), spices (garlic), spices (ginger), spices (tandoori), wheat

OCHRATOXIN A

incidence: 5/64* **, conc. range: 4.3–27.3 µg/kg, Ø conc.: 13.4 µg/kg, country: Spain²⁴⁹, *and rice products, **non-organic

incidence: 6/20* **, conc. range: 1–7.3 µg/kg, country: Spain²⁴⁹, *and rice products, **organic

incidence: 2/25, conc. range: 21.3–26.2 µg/kg, Ø conc.: 23.8 µg/kg, country: Vietnam²⁵⁴

incidence: 8/88*, conc. range: 2.1–6 µg/kg, Ø conc.: 3.9 µg/kg, country: Korea²⁶⁴, *polished

incidence: 10/10, conc. range: 0.16–0.92 µg/kg, Ø conc.: 0.51 µg/kg, country: Côte d'Ivoire⁵⁵⁷

incidence: 5/60*, conc. range: 0.9–6 µg/kg, Ø conc.: 1 µg/kg, country: Korea⁵⁹⁹, *polished

incidence: 2/36, conc. range: 0.3 µg/kg, Ø conc.: 0.3 µg/kg, country: Germany⁶⁴⁰

incidence: 10/10, conc. range: 9–92 µg/kg, country: Côte d'Ivoire⁶⁴²

incidence: 6/42, conc. range: 0.09–3.52 µg/kg, country: Portugal⁶⁵²

incidence: 4/22*, conc. range: ≤0.28 µg/kg, Ø conc.: 0.109 µg/kg, country: Germany⁶⁹⁰, *brown

incidence: 5/33, conc. range: 10.1–30 µg/kg, Ø conc.: 15.8 µg/kg, country: Egypt⁷²¹

incidence: 2/2*, conc. range: 230–430 µg/kg,
 Ø conc.: 330 µg/kg, country: Japan⁷⁴⁷,

*brown

incidence: 2/30*, conc. range: pr, country:
 India⁷⁸⁴, *ncac

incidence: 2/32*, conc. range: 8–25 µg/kg,
 Ø conc.: 16.5 µg/kg, country: India⁷⁸⁹,

*broken

incidence: 18/20, conc. range: 0.02–32.4
 µg/kg, Ø conc.: 4.15 µg/kg, country:

Morocco⁸⁵⁹

see also barley, beans, beef, beer, berries
 (strawberry), biscuits, bran, bran (barley),
 bran (oat), bran (wheat), bread, buckwheat,
 butter, cake (cocoa), cereal products, cereals,
 cereals (breakfast), cheese, chicken, chicken
 muscle, chocolate, chocolate and chocolate
 cream, cocoa beans, cocoa mass, cocoa
 powder, coffee, coffee beans (green), coppa,
 copra, crème puddings, currants, dates,
 drink, drink (cocoa), drink (malt), drugs,
 duck, extrudates, figs, fish, flakes (cereal),
 flakes (corn), flakes (oat), flakes (wheat),
 flour, flour (cassava), flour (maize), flour
 (rye), flour (wheat), food, food (baby), food
 (infant), fruits, fruits (apple), fruits (apricot),
 fruits (cherry), fruits (peach), fruits (plum),
 fruits (prune), germ (wheat), goose, grits,
 grits (durum), grits (maize), groats (barley),
 gruel, gruel (oat), ham, jam, joints, juice
 (carrot), juice (currant), juice (fruit), juice
 (grape), juice (tomato), kidney (pig), kidney
 (poultry), knäckebröd, lentils, linseeds,
 liqourice, liqourice root, liver (cow), liver
 (duck), liver (goose), liver (pig), liver
 (turkey), maize, maize dough, malt, malt
 (barley), meal (buckwheat), meal (cereal),
 meal (maize), meal (rye), meal (spelt), meal
 (wheat), meat and fish, milk (cow), milk
 (human breast), millet, muesli, must,
 noodles, nut slice, nuts, nuts (almond), nuts
 (cashew), nuts (coconut), nuts (hazelnut),
 nuts (peanut), nuts (peanut butter), nuts
 (pistachio), nuts (walnut), oats, oil (olive), oil
 (sesame), olives, pasta, pastries, peas, pig
 blood, pig muscle, pig serum, pig (black
 pudding), plant commodities, popcorn, pork,
 pork pate, potatoes, products, pulp (grape),

pulses, pumpnickel, ragi, raisins, rolls, rusk,
 rye, sandwich, sauce, sausages, sesame seeds,
 snacks, sorghum, soybeans, spelt, spice
 powder, spices (cardamom), spices (chilli),
 spices (chilli pickle), spices (chilli powder),
 spices (chilli sauce), spices (coriander), spices
 (curry), spices (curry paste), spices (curry
 powder), spices (fennel), spices (garlic
 pickle), spices (ginger), spices (mustard),
 spices (nutmeg), spices (paprika), spices
 (pepper), spices (pepper, cayenne), spices
 (tandoori), spices (turmeric), sultanas,
 sunflower seeds, tea, tomato ketchup,
 tomatoes, turkey, vegetables, vinegar,
 wheat, wheat

DIACETOXYSCIRPENOL

incidence: 5/242, conc. range: 108–640 µg/kg,
 Ø conc.: 328 µg/kg, country: Egypt²⁸⁸

see also beans, beer, bran (wheat), cereals,
 maize, nuts (peanut), oats, products,
 soybeans, spices (chilli powder), spices
 (curry), wheat

STERIGMATOCYSTIN

incidence: 1/242, conc.: nc, country: Egypt²⁸⁸

incidence: 2/2*, conc. range: 50–450 µg/kg,
 Ø conc.: 250 µg/kg, country: Japan⁷⁴⁷,

*brown

incidence: 3/30*, conc. range: 108–157 µg/kg,
 country: India⁷⁸⁴, *ncac

incidence: 12/37*, conc. range: ≤16,300
 µg/kg, country: Japan⁸⁵⁰, *ncac

see also barley, cassava, cheese, coffee, maize,
 nuts (almond), nuts (pecan), nuts
 (pistachio), oil seed rape, spices, spices
 (fennel), spices (pepper), wheat

TENUAZONIC ACID

incidence: 2/10, conc. range: ≤172.8 µg/kg,
 country: Egypt²⁹¹

see also bran, cassava, fruits (mandarin fruit),
 maize, olives, pulp (tomato), ragi, sorghum,
 spices (pepper), sunflower seeds, tomato
 purée, tomatoes, wheat

T-2 TOXIN

incidence: 3/242, conc. range: 96–310 µg/kg,
 Ø conc.: 206.7 µg/kg, country: Egypt²⁸⁸

incidence: 1/26, conc.: 19 µg/kg, country: Germany⁵¹⁷

incidence: ?/4* **, conc. range: ≤49 µg/kg, country: UK⁷³², *Chinese, **imported

incidence: 1/32*, conc.: 25 µg/kg, country: India⁷⁸⁹, *broken

see also barley, beans, beer, bran (oat), bran (wheat), bread, cereals, cereals (breakfast), flakes (oat), flour, flour (maize), flour (wheat), food, grits (maize), maize, nuts (hazelnut), nuts (peanut), oat products, oats, rye, sorghum, spices (curry), spices (ginger), spices (tandoori), sunflower seeds, wheat

ZEARALENONE

incidence: 3/88*, conc. range: 21.7–47 µg/kg, Ø conc.: 38.5 µg/kg, country: Korea²⁶⁴, *polished

incidence: 5/242, conc. range: ? µg/kg, country: Egypt²⁸⁸

incidence: 1/4, conc.: 12 µg/kg, country: USA⁴²⁴

incidence: 1/9*, conc.: 8 µg/kg, country: Japan⁵³⁰, *ncac

incidence: 1/9* **, conc.: 8 µg/kg, country: Japan⁵³⁸, *from Nepal, **ncac

incidence: 10/10, conc. range: 50–200 µg/kg, Ø conc.: 80 µg/kg, country: Côte d'Ivoire⁵⁵⁷

incidence: 1/1* ** ***, conc.: 3060 µg/kg, country: Papua, New Guinea⁵⁷⁴, *from

Australia, **brown trukai, ***ncac

incidence: ?/4*, conc. range: 5.2–16.2 µg/kg, country: UK⁷³², *basmati

incidence: 3/42*, conc. range: >200 µg/kg (3 sa), country: Uruguay⁷⁸⁷, *ncac

see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rye,

sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Rice bran

see Bran (rice)

Rice cake

see Cake (rice)

Rice snack

see Snacks

Roe deer

see Kidney (roe deer) as well as Liver (roe deer)

Rolls may contain the following mycotoxins:

OCHRATOXIN A

incidence: 1/16, conc. range: 0.1–0.19 µg/kg, country: Germany⁶²³

incidence: 1/3* **, conc.: 0.1 µg/kg, country: Germany⁶⁴⁰, *whole meal, **and baked goods

incidence: 79/89*, conc. range: ≤0.524 µg/kg, Ø conc.: 0.09 µg/kg, country: Germany⁶⁹⁰,

*milk & water

incidence: 31/31*, conc. range: ≤0.773 µg/kg, Ø conc.: 0.169 µg/kg, country: Germany⁶⁹⁰,

*wholemeal

incidence: 48/49*, conc. range: ≤5.542 µg/kg, Ø conc.: 0.357 µg/kg, country: Germany⁶⁹⁰,

*multigrain

incidence: 37/38*, conc. range: ≤0.441 µg/kg, Ø conc.: 0.16 µg/kg, country: Germany⁶⁹⁰,

*rye

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa,

copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Rolled porridge oats

see Porridge

Romadur cheese

see Cheese

Roquefort cheese

see Cheese (blue)

Rosé wine

see Wine

Rusk may contained the following mycotoxins:

OCHRATOXIN A

incidence: 32/37*, conc. range: ≤ 2.26 µg/kg,

country: Germany⁵⁹²

incidence: 6/9, conc. range: 0.1–0.19 µg/kg (3 sa), 0.2–0.49 µg/kg (2 sa), 0.50–1.49 µg/kg (1 sa), country: Germany⁶²³

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts

(cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Rye may contain the following mycotoxins:

DEOXYNIVALENOL

incidence: 14/46*, conc. range: ≤ 102 $\mu\text{g/kg}$,
 $\emptyset$ conc.: 54 $\mu\text{g/kg}$, country: Lithuania²⁰³,
 *ncac

incidence: 3/6, conc. range: 5–100 $\mu\text{g/kg}$,
 country: Finland²¹⁹

incidence: 17/135* **, conc. range: ≤ 3090
 $\mu\text{g/kg}$, $\emptyset$ conc.: 490 $\mu\text{g/kg}$, country:

Germany⁴⁴¹, *cg, **ncac

incidence: 2/19* **, conc. range: 120–130
 $\mu\text{g/kg}$, $\emptyset$ conc.: 125 $\mu\text{g/kg}$, country:

Germany⁴⁴¹, *og, **ncac

incidence: 24/31, conc. range: 9–93 $\mu\text{g/kg}$,
 $\emptyset$ conc.: 52 $\mu\text{g/kg}$, country: Finland⁴⁵⁵

incidence: 9/10*, conc. range: 10–47 $\mu\text{g/kg}$,
 $\emptyset$ conc.: 31 $\mu\text{g/kg}$, country: Finland⁴⁵⁵, *from
 Germany, Hungary, Soviet Union, Sweden,
 USA

incidence: 1/5*, conc.: 3 $\mu\text{g/kg}$, country:
 Korea⁴⁶⁹, *for food and feed

incidence: 20/50* **, conc. range: ≤ 1250
 $\mu\text{g/kg}$, $\emptyset$ conc.: 160 $\mu\text{g/kg}$, country:

Germany⁴⁹⁹, *cg, **ncac

incidence: 28/50* **, conc. range: ≤ 500
 $\mu\text{g/kg}$, $\emptyset$ conc.: 427 $\mu\text{g/kg}$, country:

Germany⁴⁹⁹, *eg, **ncac

incidence: 10/30*, $\emptyset$ conc.: 183 $\mu\text{g/kg}$,

country: Japan⁵³⁰, *ncac

incidence: 4/4* **, conc. range: 8–384 $\mu\text{g/kg}$,
 $\emptyset$ conc.: 106 $\mu\text{g/kg}$, country: Japan⁵³⁶, *from

The Netherlands, **ncac

incidence: 1/1* **, conc.: 204 $\mu\text{g/kg}$, country:
 Japan⁵³⁷, *from Canada, **ncac

incidence: 4/22* **, $\emptyset$ conc.: 406 $\mu\text{g/kg}$,

country: Japan⁵³⁸, *from Germany, **ncac

incidence: 4/7* **, conc. range: 31–86 $\mu\text{g/kg}$,
 $\emptyset$ conc.: 53.5 $\mu\text{g/kg}$, country: Germany⁵⁶²,

*and unknown origin, **o

incidence: 38/43, conc. range: 5–50 $\mu\text{g/kg}$
 (34 sa), 50–100 $\mu\text{g/kg}$ (3 sa), >100 $\mu\text{g/kg}$
 (1 sa), country: Finland⁷⁶⁵

see also acha, barley, batter, beans, beer,
 biscuits, bran (oat), bran (wheat), bread,
 cake, cereal (baby), cereals, cereals
 (breakfast), chips (maize), crackers, croissant,
 figazzas, flakes (corn), flakes (oat), flakes
 (wheat), flour, flour (barley), flour (maize),
 flour (rye), flour (wheat), food, food (baby),
 food (infant), germ (wheat), grains, grits
 (barley), grits (maize), grits (wheat), groats
 (oat), Job's-tears, knäckebröd, libritos, maize,
 malt (barley), malt (wheat), meal (barley),
 meal (maize), meal (millet), meal (rye), meal
 (wheat), millet, muesli, noodles, oat
 products, oats, pancake, popcorn, rice,
 snacks, sorghum, soybeans, spices (chilli
 powder), spices (coriander), spices (garlic),
 spices (ginger), wheat

3-ACETYLDEOXYNIVALENOL

incidence: 4/31, conc.: 15–38 $\mu\text{g/kg}$, $\emptyset$ conc.:
 24 $\mu\text{g/kg}$, country: Finland⁴⁵⁵

see also barley, bread, cereals, cereals
 (breakfast), flakes (oat), flour (maize), flour
 (wheat), food, food (baby), grits (maize),
 maize, oat products, oats, rice, snacks, wheat

ENNIATIN A₁

incidence: 1/1*, conc.: tr, country: Finland⁴⁵⁹,
 *ncac

see also barley, oats, wheat

ENNIATIN B

incidence: 1/1*, conc.: 47 µg/kg, country: Finland⁴⁵⁹, **ncac
see also barley, oats, wheat

ENNIATIN B₁

incidence: 1/1*, conc.: tr, country: Finland⁴⁵⁹, **ncac
see also barley, oats, wheat

HT-2 TOXIN

incidence: 12/46*, conc. range: ≤353 µg/kg, Ø conc.: 61 µg/kg, country: Lithuania²⁰³, **ncac

incidence: 1/31, conc.: 23 µg/kg, country: Finland⁴⁵⁵

see also barley, bran (oat), bran (wheat), bread, cereal (baby), cereals, cereals (breakfast), flakes (oat), flour (maize), flour (wheat), food, food (baby), germ (wheat), grits (maize), groats (oat), maize, noodles, nuts (hazelnut), oat products, oats, pumpkin seeds, spices (chilli powder), spices (curry), sunflower seeds, wheat

MONILIFORMIN

incidence: 3/3* ** ***, conc. range: 6100–12,300 µg/kg, Ø conc.: 9030 µg/kg, Poland⁵²⁴, *Fdk, **from Poland, ***ncac
see also barley, corn on the cob, flakes (corn), flour (maize), foodstuff, grits (maize), maize, maize-based thickeners, meal (maize), oats, popcorn, snacks, triticale, wheat

NIVALENOL

incidence: 1/46*, conc.: 20 µg/kg, country: Lithuania²⁰³, **ncac

incidence: 1/31, conc.: 33 µg/kg, Finland⁴⁵⁵

incidence: 5/5*, conc. range: 46–114 µg/kg, Ø conc.: 83 µg/kg, country: Korea⁴⁶⁹, *for food and feed

incidence: 3/17*, conc. range: 200–410 µg/kg, country: Canada⁵²¹, **ncac

incidence: 10/30*, Ø conc.: 47 µg/kg, country: Japan⁵³⁰, **ncac

incidence: 3/4* **, conc. range: 10–34 µg/kg, Ø conc.: 21 µg/kg, country: Japan⁵³⁶, *from The Netherlands, **ncac

incidence: 1/1* **, conc.: 8 µg/kg, country: Japan⁵³⁷, *from Canada, **ncac

incidence: 4/22* **, Ø conc.: 12 µg/kg, country: Japan⁵³⁸, *from Germany, **ncac
incidence: 2/2*, conc. range: 6.7–17.3 µg/kg, Ø conc.: 12 µg/kg, country: Japan⁸⁴³, *imported

see also barley, beer, biscuits, bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, germ (wheat), grits (maize), grits (wheat), Job's-tears, maize, malt (barley), meal (millet), millet, noodles, oat products, oats, rice, snacks, sorghum, soybeans, spices (chilli sauce), spices (curry), spices (curry paste), spices (curry powder), spices (garlic), spices (ginger), spices (tandoori), wheat

OCHRATOXIN A

incidence: 6/10, conc. range: ≤1.7 µg/kg, Ø conc.: 0.5 µg/kg, country: Germany²⁴⁴

incidence: 257/405*, conc. range: ≤63 µg/kg, Ø conc.: 0.9 µg/kg**, country: Denmark²⁶⁵, *cg, **arithmetic mean

incidence: 14/17*, conc. range: ≤45 µg/kg, Ø conc.: 3.9 µg/kg**, country: Denmark²⁶⁵, *og, **arithmetic mean

incidence: 3/52* **, conc. range: 0.82–2.5 µg/kg, Ø conc.: 1.38 µg/kg**, country: Poland⁵⁸⁷, *c, **ncac

incidence: 18/48* **, conc. range: 0.21–10 µg/kg, Ø conc.: 3.17 µg/kg**, country: Poland⁵⁸⁷, *o, **ncac

incidence: 4/37* **, conc. range: 4.73–8.8 µg/kg, Ø conc.: 6.75 µg/kg**, country: Poland⁵⁸⁸, *c, **ncac

incidence: 5/46* **, conc. range: 2–35.3 µg/kg, Ø conc.: 14.5 µg/kg**, country: Poland⁵⁸⁸, *o, **ncac

incidence: 177/503*, conc. range: 0.05–4.9 µg/kg (157 sa), 5–25 µg/kg (16 sa), >25 µg/kg (4 sa, with a maximum of 121 µg/kg), Ø conc.: 1.2 µg/kg**, country: Denmark⁶²⁵, *cg, **arithmetic mean

incidence: 71/91*, conc. range: 0.05–4.9 µg/kg (55 sa), 5–25 µg/kg (12 sa), >25 µg/kg (4 sa, with a maximum of 120 µg/kg), Ø conc.: 5.4 µg/kg**, country: Denmark⁶²⁵, *eg, **arithmetic mean

incidence: 8/22* **, conc. range: 0.05–4.9 µg/kg (8 sa, with a maximum of 0.7 µg/kg), Ø conc.: 0.1 µg/kg***, country: Denmark⁶²⁵, *imported, **cg, ***arithmetic mean
 incidence: 4/45, conc. range: 0.4–4.7 µg/kg, country: Germany⁶⁴⁰
 incidence: 14/37, conc. range: ≤0.8 µg/kg, Ø conc.: 0.113 µg/kg, country: Germany⁶⁹⁰
 see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquorice, liquorice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice

powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

T-2 TOXIN

incidence: 1/46*, conc.: 52 µg/kg, country: Lithuania²⁰³, *ncac

incidence: 1/31, conc.: 17 µg/kg, country: Finland⁴⁵⁵

see also barley, beans, beer, bran (oat), bran (wheat), bread, cereals, cereals (breakfast), flakes (oat), flour, flour (maize), flour (wheat), food, grits (maize), maize, nuts (hazelnut), nuts (peanut), oat products, oats, rice, sorghum, spices (curry), spices (ginger), spices (tandoori), sunflower seeds, wheat

ZEARALENONE

incidence: 3/5*, conc. range: 3–4 µg/kg, Ø conc.: 3.3 µg/kg, country: Korea⁴⁶⁹, *for food and feed

incidence: 9/50* **, conc. range: ≤7 µg/kg, Ø conc.: 4 µg/kg, country: Germany⁴⁹⁹, *cg, **ncac

incidence: 5/50* **, conc. range: ≤199 µg/kg, Ø conc.: 51 µg/kg, country: Germany⁴⁹⁹, *eg, **ncac

incidence: 4/30*, Ø conc.: 22 µg/kg, country: Japan⁵³⁰, *ncac

incidence: 1/4* **, conc.: 11 µg/kg, country: Japan⁵³⁶, *from The Netherlands, **ncac

incidence: 1/1* **, conc.: 2 µg/kg, country: Japan⁵³⁷, *from Canada, **ncac

incidence: 3/22* **, Ø conc.: 5 µg/kg, country: Japan⁵³⁸, *from Germany, **ncac

incidence: 2/7* **, conc. range: 5.9–7.1 µg/kg, Ø conc.: 6.5 µg/kg, country: Germany⁵⁶², *and unknown origin, **o

see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran

(wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Saffron

see Spices (saffron)

Sago may contain the following mycotoxins:

AFATOXINS (B₁, B₂, G₁, G₂)

incidence: 2/65, Ø conc.: 150 µg/kg, max.

conc.: 294 µg/kg, country: Thailand¹⁶³

see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (figs), peas, phane, poppadoms, rice, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

Salami

see Sausages (salami)

Samsøe cheese

see Cheese

Sandwich may contain the following mycotoxins:

OCHRATOXIN A

incidence: 31/33*, conc. range: ≤0.27 µg/kg,

country: Germany⁵⁹², *nut nougat creme

see also barley, beans, beef, beer, berries

(strawberry), biscuits, bran, bran (barley),

bran (oat), bran (wheat), bread, buckwheat,

butter, cake (cocoa), cereal products, cereals,

cereals (breakfast), cheese, chicken, chicken

muscle, chocolate, chocolate and chocolate

cream, cocoa beans, cocoa mass, cocoa

powder, coffee, coffee beans (green), coppa,

coppa, crème puddings, currants, dates,

drink, drink (cocoa), drink (malt), drugs,

duck, extrudates, figs, fish, flakes (cereal),

flakes (corn), flakes (oat), flakes (wheat),

flour, flour (cassava), flour (maize), flour

(rye), flour (wheat), food, food (baby), food

(infant), fruits, fruits (apple), fruits (apricot),

fruits (cherry), fruits (peach), fruits (plum),

fruits (prune), germ (wheat), goose, grits,

grits (durum), grits (maize), groats (barley),

gruel, gruel (oat), ham, jam, joints, juice

(carrot), juice (currant), juice (fruit), juice

(grape), juice (tomato), kidney (pig), kidney

(poultry), knäckebröd, lentils, linseeds,

liquorice, liquorice root, liver (cow), liver

(duck), liver (goose), liver (pig), liver

(turkey), maize, maize dough, malt, malt

(barley), meal (buckwheat), meal (cereal),

meal (maize), meal (rye), meal (spelt), meal

(wheat), meat and fish, milk (cow), milk

(human breast), millet, muesli, must,

noodles, nut slice, nuts, nuts (almond), nuts

(cashew), nuts (coconut), nuts (hazelnut),

nuts (peanut), nuts (peanut butter), nuts

(pistachio), nuts (walnut), oats, oil (olive), oil

(sesame), olives, pasta, pastries, peas, pig

blood, pig muscle, pig serum, pig (black

pudding), plant commodities, popcorn, pork,

pork pate, potatoes, products, pulp (grape),

pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Sauce may contain the following mycotoxins:

OCHRATOXIN A

incidence: 2/15* **, conc. range: $\leq 0.25 \mu\text{g} / \text{l}$, country: Germany⁶³⁹, *and imported?, **soja- and herbal-

incidence: 7/50* **, conc. range: $\leq 0.72 \mu\text{g} / \text{l}$, country: Germany⁶³⁹, *and imported?,

**pepper- and barbecue-

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver

(duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Sauce (leaf) may contain the following mycotoxins:

AFLATOXINS

incidence: 3/3, conc. range: 21–34 $\mu\text{g}/\text{kg}$, Ø conc.: 27 $\mu\text{g}/\text{kg}$, country: The Gambia⁷²

see also beans, candy (peanut), candy (pistachio), cassava, figs, flour (maize), grain mixtures, grains, maize, maize dough, maize products, melon seeds, millet, nuts, nuts (almond), nuts (brazil), nuts (peanut), nuts (peanut butter), nuts (peanut mix), nuts (peanut products), nuts (pecan), nuts (pistachio), nuts (walnut), nuts and seeds, paste (peanut), paste (pipian), peas, rice, snacks, sorghum, spices, spices (chilli), spices (cumin), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper), spices (tandoori), teff, tubers, wheat

Sauce (peanut) may contain the following mycotoxins:

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 18/20, conc. range: 19–943 µg/kg, Ø conc.: 162 µg/kg, country: The Gambia⁷²
see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (figs), peas, phane, poppadoms, rice, sago, sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

Sausages may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 1/25, conc.: 7 µg/kg, country: Egypt¹⁴
see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver

(pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olive, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 1/25, conc.: 3 µg/kg, country: Egypt¹⁴
see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew),

nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

OCHRATOXIN A

incidence: 1/12*, conc.: $\leq 0.06 \mu\text{g/kg}$, country: Italy³²², *Würstel

incidence: 4/12* **, conc. range: $\leq 0.08 \mu\text{g/kg}$, Ø conc.: $0.06 \mu\text{g/kg}$, country: Italy³²²,

*dry-cured, **salami

incidence: 1/12*, conc.: $0.8 \mu\text{g/kg}$, country: Switzerland⁵⁷⁸, *scalding

incidence: 36/53*, conc. range: $\leq 4.56 \mu\text{g/kg}$, country: Germany⁵⁹⁸, *liver-type

incidence: 44/57*, conc. range: $\leq 3.16 \mu\text{g/kg}$, country: Germany⁵⁹⁸, *blood

incidence: 21/45*, conc. range: $\leq 0.38 \mu\text{g/kg}$, country: Germany⁵⁹⁸, *Bologna-type

incidence: 28/56*, conc. range: $\leq 0.27 \mu\text{g/kg}$, country: Germany⁵⁹⁸, *raw

incidence: 5/31*, conc. range: $\leq 0.19 \mu\text{g/kg}$, country: Germany⁵⁹⁸, *beef

incidence: 7/40*, conc. range: $\leq 0.03 \mu\text{g/kg}$, country: Germany⁵⁹⁸, *poultry

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour

(rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquourice, liquourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

ZEARALENONE

incidence: 5/20, conc. range: $2.1\text{--}8.9 \mu\text{g/kg}$, Ø conc.: $6.3 \mu\text{g/kg}$, country: Egypt⁴⁴³

see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food

(infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Salami

see Sausages

Savoury snacks

see Snacks

Semolina

see Grits as well as Grits (maize)

Sesame oil

see Oil (sesame)

Sesame products may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 5/130, conc. range: 1 µg/kg,

country: Cyprus⁷⁴

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils,

linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olive, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

Sesame seeds may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 4*/19, conc. range: 4–10 µg/kg,

country: Germany⁶⁷, *moldy

incidence: 4/211, conc. range: 2 µg/kg,

country: Cyprus⁷⁴

incidence: 2/19, conc. range: 0.6–2.4 µg/kg, Ø

conc.: 1.5 µg/kg, country: Japan⁹⁹

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix

seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olive, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 2/19, conc. range: 0.2–0.5 µg/kg, ∅ conc.: 0.4 µg/kg, country: Japan⁹⁹

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals

(breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 4/211, conc. range: <0.4 µg/kg, country: Cyprus⁷⁴

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian

cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXIN G₂

incidence: 4/211, conc. range: <0.3 µg/kg, country: Cyprus⁷⁴

see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), cocoa, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, maize, maize dough, milk (human breast), nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), paste (soybean), popcorn, raisins, rice, shoyu, soybeans, spices (cardamom), spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 3/75, max. conc.: <10 µg/kg, country: Thailand¹⁶³

see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (figs), peas, phane, poppadoms, rice, sago, sauce (peanut), snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

OCHRATOXIN A

incidence: 9/24, conc. range: ≤0.86 µg/kg, country: Germany⁵⁹²

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquourice, liquourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic

pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

ZEARALENONE

incidence: 2/7* **, Ø conc.: 10 µg/kg, country: Japan⁵³⁸, *from Yemen, **ncac

see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Sherry

see Wine

Shiro may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 5/60, conc. range: 100–500 µg/kg, Ø conc.: 271 µg/kg, country: Ethiopia⁵³

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour,

flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olive, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

Shoyu may contain the following mycotoxins:

AFLATOXIN G₂

incidence: 1/149, conc.: nc, country: Taiwan⁸²³

see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), cocoa, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, maize, maize dough, milk (human breast), nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), paste (soybean), popcorn, raisins, rice, sesame seeds, soybeans, spices (cardamom), spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine

Singkamas

see Tubers

Snack foods

see Snacks

Snack products

see Snacks

Snacks may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 2/11*, conc. range: 1.3–2 µg/kg, Ø conc.: 1.7 µg/kg, country: Colombia²⁹⁶,

*and breakfast cereals

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple),

kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olive, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 15/60*, conc. range: 50–100 µg/kg, country: Egypt³⁸⁶, *maize-based

see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (figs), peas, phane, poppadoms, rice, sago, sauce

(peanut), sesame seeds, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

AFLATOXINS

incidence: 4*/40, conc. range: 10–40 µg/kg, country: Nigeria⁸⁵⁷, *all sa contained AFB₁; 2 sa additionally AFB₂ and / or AFG₁, *melon balls

see also beans, candy (peanut), candy (pistachio), cassava, figs, flour (maize), grain mixtures, grains, maize, maize dough, maize products, melon seeds, millet, nuts, nuts (almond), nuts (brazil), nuts (peanut), nuts (peanut butter), nuts (peanut mix), nuts (peanut products), nuts (pecan), nuts (pistachio), nuts (walnut), nuts and seeds, paste (peanut), paste (pipian), peas, rice, sauce (leaf), sorghum, spices, spices (chilli), spices (cumin), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper), spices (tandoori), teff, tubers, wheat

DEOXYNIVALENOL

incidence: 16/22*, conc. range: ≤450 µg/kg, country: USA⁵⁴⁵, *wheat-based incidence: 14/21, conc. range: ≤500 µg/kg, country: USA⁵⁶¹

incidence: 36/40, conc. range: 10–100 µg/kg (18 sa), 101–250 µg/kg (4 sa), 251–500 µg/kg (4 sa), 501–750 µg/kg (9 sa), 879 µg/kg (1 sa), country: UK⁸³⁶

incidence: 37/44*, conc. range: 10–25 µg/kg (12 sa), 25.1–50 µg/kg (5 sa), 50.1–75 µg/kg (1 sa), 75.1–100 µg/kg (1 sa), 100.1–250 µg/kg (17 sa), 275 µg/kg (1 sa), country: UK⁸³⁶, *products

see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize),

flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

3-ACETYLDEOXYNIVALENOL

incidence: 4/40, conc. range: 11–15 µg/kg, country: UK⁸³⁶

see also barley, bread, cereals, cereals (breakfast), flakes (oat), flour (maize), flour (wheat), food, food (baby), grits (maize), maize, oat products, oats, rice, rye, wheat

15-ACETYLDEOXYNIVALENOL

incidence: 18/40, conc. range: 10–100 µg/kg (10 sa), 101–250 µg/kg (8 sa, with a maximum of 214 µg/kg), country: UK⁸³⁶ incidence: 15/44*, conc. range: 10–25 µg/kg (2 sa), 25.1–50 µg/kg (11 sa), 50.1–75 µg/kg (2 sa, with a maximum of 59 µg/kg), country: UK⁸³⁶, *products

see also barley, bran (oat), bran (wheat), cereals (breakfast), flour (maize), flour (wheat), food, grits (maize), maize, noodles, oat products, oats, wheat

FUMONISIN B₁

incidence: 19/30*, conc. range: 3–438 µg/kg, Ø conc.: 17 µg/kg, country: Korea³⁷⁴, *rice-based

incidence: 10/14*, conc. range: 25.8–188 µg/kg, Ø conc.: 52.7 µg/kg, country: Korea³⁷⁵,

*maize-based

incidence: 2/15* **, conc. range: 350–370 µg/kg, Ø conc.: 360 µg/kg, country:

Turkey³⁸¹, *maize-based, **partly imported

incidence: 6/10, conc. range: 2–65 µg/kg, country: Denmark³⁸⁵, *maize-based

incidence: 2/5*, conc. range: 152–314 µg/kg, Ø conc.: 233 µg/kg, country: Uruguay³⁹⁹,

*maize-based

incidence: 2/11*, conc. range: 50–200 µg/kg,
 Ø conc.: 125 µg/kg, country: Spain⁴⁰⁴,
 *maize-based

incidence: 26/78, conc. range: ≤2395 µg/kg,
 Ø conc.: 455.5 µg/kg, country: Taiwan⁴¹⁸

incidence: 14/39*, conc. range: 16.4–135.6
 µg/kg, country: Spain⁴²¹, *maize-based

incidence: 2/6*, conc. range: 24–127 µg/kg,
 Ø conc.: 76 µg/kg, country: Colombia⁶⁷²,
 *maize-based

see also arepas, asparagus, barley, batter,
 beans, beer, bran (maize), bread, cake (rice),
 cereals, cereals (breakfast), chamomile, chips
 (maize), chips (tortilla), flakes (corn), flour
 (maize), food, food (baby), foodstuff, grits
 (maize), Incaparina, leaves, maize, maize
 fiber, maize muffin, maize products, maize
 silk, maize starch, masa, meal (maize), meal
 (sorghum), milk, muffin mix, nuts (peanut),
 pancake, popcorn, rapoko, rice, sorghum,
 soybeans, syrup (sorghum), tea, tortillas,
 wheat

FUMONISIN B₂

incidence: 3/10, conc. range: 4–8 µg/kg,
 country: Denmark³⁸⁵, *maize-based

incidence: 16/78, conc. range: ≤715 µg/kg,
 Ø conc.: 145.3 µg/kg, country: Taiwan⁴¹⁸

incidence: 1/6*, conc.: 73 µg/kg, country:
 Colombia⁶⁷², *maize-based

see also arepas, asparagus, barley, batter, beer,
 bran (maize), cereals, cereals (breakfast),
 chips (maize), chips (tortilla), flakes (corn),
 flour (maize), food (baby), foodstuff, grits
 (maize), Incaparina, maize, maize fiber,
 maize starch, masa, meal (maize), muffin
 mix, pancake, popcorn, rice, tortillas, wheat

FUMONISIN B₃

incidence: 1/40*, conc.: 104.44 µg/kg,
 country: USA²³⁵, *maize-based

see also barley, cereal products, cereals, flour
 (maize), food (baby), Incaparina, maize, meal
 (maize), pancake, popcorn, rice

FUMONISINS (B₁, B₂, B₃)

incidence: 31/40*, conc. range: 11–220 µg/kg,
 country: UK³⁸³, *maize-based

see also bran (maize), cereals (breakfast),
 flour, flour (maize), germ (maize), grains,

grits (maize), maize, maize-based thickeners,
 popcorn, tortillas

MONILIFORMIN

incidence: 7/43, conc. range: <15–32 µg/kg,
 country: UK⁷⁴³

see also barley, corn on the cob, flakes
 (corn), flour (maize), foodstuff, grits
 (maize), maize, maize-based thickeners, meal
 (maize), oats, popcorn, rye, triticale, wheat

NIVALENOL

incidence: 17/40, conc. range: 12–43 µg/kg,
 country: UK⁸³⁶

incidence: 10/44*, conc. range: 10–25 µg/kg
 (9 sa), 58 µg/kg (1 sa), country: UK⁸³⁶,

*products

see also barley, beer, biscuits, bran (wheat),
 bread, cake, cereal (baby), cereals, cereals
 (breakfast), flour, flour (barley), flour
 (maize), flour (rye), flour (wheat), food,
 germ (wheat), grits (maize), grits (wheat),
 Job's-tears, maize, malt (barley), meal
 (millet), millet, noodles, oat products, oats,
 rice, rye, sorghum, soybeans, spices (chilli
 sauce), spices (curry), spices (curry paste),
 spices (curry powder), spices (garlic), spices
 (ginger), spices (tandoori), wheat

OCHRATOXIN A

incidence: 28/32*, conc. range: ≤0.11 µg/kg,
 country: Germany⁵⁹², *bar

incidence: 40/47*, conc. range: ≤3.6 µg/kg,
 country: Germany⁵⁹², *nut bar

incidence: 39/67*, conc. range: ≤1.72 µg/kg,
 country: Germany⁵⁹², *muesli bar

incidence: 4/11*, conc. range: 0.1–0.19 µg/kg
 (3 sa), 0.2–0.49 µg/kg (1 sa), country:
 Germany⁶²³, *and flips

see also barley, beans, beef, beer, berries
 (strawberry), biscuits, bran, bran (barley),
 bran (oat), bran (wheat), bread, buckwheat,
 butter, cake (cocoa), cereal products, cereals,
 cereals (breakfast), cheese, chicken, chicken
 muscle, chocolate, chocolate and chocolate
 cream, cocoa beans, cocoa mass, cocoa
 powder, coffee, coffee beans (green), coppa,
 copra, crème puddings, currants, dates,
 drink, drink (cocoa), drink (malt), drugs,
 duck, extrudates, figs, fish, flakes (cereal),

flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquorice, liquorice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

ZEARALENONE

incidence: 1/9, conc.: 2.9 µg/kg, country: USA⁸³¹

incidence: 15/40, conc. range: 8–25 µg/kg (1 sa), 25.1–50 µg/kg (7 sa), 50.1–75 µg/kg (4 sa), 75.1–100 µg/kg (3 sa, with a maximum of 99 µg/kg), country: UK⁸³⁶

incidence: 13/44*, conc. range: 10–25 µg/kg (11 sa), 25.1–50 µg/kg (1 sa), 55.8 µg/kg (1 sa), country: UK⁸³⁶, *products
see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Soft drinks

see Drink

Soja- and herbal sauce

see Sauce

Sorghum may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 2/6, conc. range: 30–35 µg/kg, country: Tunisia²⁰

incidence: 9/44*, conc. range: 0.18–30.3 µg/kg, country: India¹⁹², *ncac

incidence: 24/25*, conc. range: 2–830 µg/kg, country: India¹⁹², *ncac, rain-affected

incidence: 10/?/10*, conc. range: ≤100 µg/kg, country: India³¹³, *discolored

incidence: 20/20*, conc. range: tr–163 µg/kg, country: India⁷²⁰, *ah

incidence: ?/5*, conc. range: tr–80 µg/kg, country: India⁷²⁰, *nah

incidence: 4/150, conc. range: 20–60 µg/kg, country: India⁷⁸⁸

incidence: 7/20, conc. range: 20–480 µg/kg, country: India⁷⁸⁹

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olive, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne),

spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 3/20, conc. range: 10–125 µg/kg, country: India⁷⁸⁹

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 4/197*, conc. range: 6–54 µg/kg, Ø conc.: 19.3 µg/kg, country: USA⁸⁰⁹, *ncac incidence: 3/19*, conc. range: 0.1–64 µg/kg, Ø conc.: 0.8 µg/kg, country: Botswana⁸¹³,

*and meal

see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts

(pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (figs), peas, phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

AFLATOXINS

incidence: 26*/69, conc. range: 1–100 µg/kg (19 sa), 100–1000 µg/kg (5 sa), >1000 µg/kg (5 sa), country: Uganda⁵, *16 sa contained AFB₁, 11 AFB₂, 13 AFG₁, 1 AFG₂
incidence: 2/8, conc. range: 2–16 µg/kg, Ø conc.: 9 µg/kg, country: The Gambia⁷²
incidence: 11/81*, conc. range: 9–20 µg/kg (6 sa), 21–30 µg/kg (4 sa), 31–39 µg/kg (1 sa), Ø conc.: 21.9 µg/kg, country: Ethiopia¹⁰⁷, *mixed
incidence: 12/81*?, conc. range: 9–20 µg/kg (5 sa), 21–30 µg/kg (5 sa), 31–39 µg/kg (2 sa), Ø conc.: 24 µg/kg, country: Ethiopia¹⁰⁷, *white
see also beans, candy (peanut), candy (pistachio), cassava, figs, flour (maize), grain mixtures, grains, maize, maize dough, maize products, melon seeds, millet, nuts, nuts (almond), nuts (brazil), nuts (peanut), nuts (peanut butter), nuts (peanut mix), nuts (peanut products), nuts (pecan), nuts (pistachio), nuts (walnut), nuts and seeds, paste (peanut), paste (pipian), peas, rice, sauce (leaf), snacks, spices, spices (chilli), spices (cumin), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper), spices (tandoori), teff, tubers, wheat

ALTENUENE

incidence: 5/20*, conc. range: 20–700 µg/kg, Ø conc.: 264 µg/kg, country: India³³⁷, *ncac
see also barley, fruits (apple), maize, olives, ragi, rice, tomatoes, wheat

ALTERNARIOL METHYL ETHER

incidence: 7/20*, conc.: 600–1800 µg/kg, Ø conc.: 1012 µg/kg, country: India³³⁷, *ncac
see also barley, bran, fruits (apple), fruits (mandarin fruit), fruits (melon), juice (apple, concentrate), olives, ragi, spices (pepper), sunflower seeds, tomatoes, wheat

ALTERTOXIN-I

incidence: 2/15, conc. range: ≤185 µg/kg, country: Egypt²⁹¹
see also fruits (apple), wheat

DEOXYNIVALENOL

incidence: 1/7*, conc.: 50 µg/kg, country: Saudi Arabia³²⁵, *ncac
see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

FUMONISIN B₁

incidence: 2/44*, conc. range: 150–500 µg/kg, Ø conc.: 325 µg/kg, country: India¹⁹², *ncac
incidence: 25/25* **, conc. range: 70–7800 µg/kg, country: India¹⁹², *ncac, **rain-affected
incidence: 5/5, conc. range: 200–1400 µg/kg, Ø conc.: 560 µg/kg, country: Zimbabwe³⁶⁵
incidence: 20/20*, conc. range: 140–7800 µg/kg, country: India⁷²⁰, *ah
incidence: ?/5*, conc. range: 70–360 µg/kg, country: India⁷²⁰, *nah
see also arepas, asparagus, barley, batter, beans, beer, bran (maize), bread, cake (rice), cereals, cereals (breakfast), chamomile, chips (maize), chips (tortilla), flakes (corn), flour

(maize), food, food (baby), foodstuff, grits (maize), Incaparina, leaves, maize, maize fiber, maize muffin, maize products, maize silk, maize starch, masa, meal (maize), meal (sorghum), milk, muffin mix, nuts (peanut), pancake, popcorn, rapoko, rice, snacks, soybeans, syrup (sorghum), tea, tortillas, wheat

FUMONISINS

incidence: 3/20*, conc. range: 20–60 µg/kg,

Ø conc.: 43 µg/kg, country: Botswana⁸¹³,

*and meal

see also beer, bread, cereal (infant), chips (tortilla), flakes (corn), flour (maize), grits (maize), maize, maize pops cereal, maize products, maize starch, maize (infant cream corn), meal (maize), muffin mix, pasta, popcorn, porridge, products, tortillas

NEOSOLANOL

incidence: 1/7*, conc.: 25 µg/kg, country:

Saudi Arabia³²⁵, *ncac

see also cereals (breakfast), maize, oat products, spices (curry), spices (ginger), wheat

NIVALENOL

incidence: 1/11*, conc.: 91 µg/kg, country:

Japan⁵³⁰, *ncac

incidence: 1/5* **, con.: 100 µg/kg, country:

Japan⁵³⁸, *from Yemen, **ncac

see also barley, beer, biscuits, bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, germ (wheat), grits (maize), grits (wheat), Job's-tears, maize, malt (barley), meal (millet), millet, noodles, oat products, oats, rice, rye, snacks, soybeans, spices (chilli sauce), spices (curry), spices (curry paste), spices (curry powder), spices (garlic), spices (ginger), spices (tandoori), wheat

OCHRATOXIN A

incidence: 3/24, conc. range: 50–70 µg/kg,

Ø conc.: 63.3 µg/kg, country: India⁶⁵⁶

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat,

butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquorice, liquorice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

TENUAZONIC ACID

incidence: 3/15, conc. range: ≤ 125 $\mu\text{g/kg}$,
country: Egypt²⁹¹

incidence: 5/20*, conc. range: 1300–5600
 $\mu\text{g/kg}$, $\emptyset$ conc.: 3380 $\mu\text{g/kg}$, country: India³³⁷,
*ncac

see also bran, cassava, fruits (mandarin fruit),
maize, olives, pulp (tomato), ragi, rice, spices
(pepper), sunflower seeds, tomato purée,
tomatoes, wheat

T-2 TOXIN

incidence: 4/84*, conc. range: 1670–15,000
 $\mu\text{g/kg}$, $\emptyset$ conc.: 11,240 $\mu\text{g/kg}$, country:
India⁴³¹, *ncac

incidence: 2/20, conc. range: 10–45 $\mu\text{g/kg}$,
 $\emptyset$ conc.: 27.5 $\mu\text{g/kg}$, country: India⁷⁸⁹
see also barley, beans, beer, bran (oat), bran
(wheat), bread, cereals, cereals (breakfast),
flakes (oat), flour, flour (maize), flour
(wheat), food, grits (maize), maize, nuts
(hazelnut), nuts (peanut), oat products, oats,
rice, rye, spices (curry), spices (ginger), spices
(tandoori), sunflower seeds, wheat

ZEARALENONE

incidence: 6/6*, conc. range: 760–4500 $\mu\text{g/kg}$,
country: Portugal⁴⁵¹, *ncac

incidence: 1/11*, conc.: 100 $\mu\text{g/kg}$, country:
Japan⁵³⁰, *ncac

incidence: 1/11* **, con.: 100 $\mu\text{g/kg}$, country:
Japan⁵³⁸, *from Yemen, **ncac

incidence: 56/197*, conc. range: 200–6900
 $\mu\text{g/kg}$, country: USA⁸⁰⁹, *ncac

see also acha, amaranth, barley, beans,
beefburger, beer, biscuits, bran (oat), bran
(wheat), bread, cake/muffin mixes, cereal
(baby), cereals, cereals (breakfast), cheese,
crackers, flakes (corn), flour, flour (barley),
flour (maize), flour (wheat), food, food
(infant), foodstuff, fruits, germ (wheat), grits
(maize), Job's-tears, maize, malt (barley),
malt (maize), meal (barley), meal (maize),
meal (millet), meal (rye), meal (wheat), meat,
meat (luncheon), milk, milk powder, nuts
(almond), nuts (hazelnut), nuts (peanut),
nuts (walnut), oats, oil, oil seeds, pig serum,
popcorn, products, pumpkin seeds, rice, rye,
sausages, sesame seeds, snacks, soybeans,

spice powder, spices (chilli), spices (chilli
powder), spices (chilli sauce), spices
(coriander), spices (curry), spices (curry
paste), spices (curry powder), spices (fennel),
spices (garlic pickle), spices (pepper),
sunflower seeds, vegetables, wheat

Sorghum beer

see Beer

Sorghum meal

see Meal (sorghum)

Sorghum syrup

see Syrup (sorghum)

Sour cherry juice

see Juice (cherry)

Soybeans may contain the following
mycotoxins:

AFLATOXIN B₁

incidence: 12/260, conc. range: 1–10 $\mu\text{g/kg}$
(1 sa), >50–100 $\mu\text{g/kg}$ (11 sa), country:

Cuba⁴⁷

incidence: 1/1*, conc.: 77.5 $\mu\text{g/kg}$, country:
UK⁷⁰, *ncac

see also acha, areca nut, bacon, barley, beans,
beefburger, beer, betel nut, bondakaledkai,
bread, buckwheat, butter, cassava, cereals,
cereals (breakfast), cheese, chestnut, chips
(yam), chocolate, cocoa, cocoa beans, cocoa
hazelnut cream, coffee beans (green), coix
seed, congressbele, cottonseed, cowpeas,
dates, drinks, figs, fish, flakes (corn), flour,
flour (gram), flour (maize), flour (wheat),
food, food (infant), fruits products, fruits
(apricot), fruits (lemon), fruits (mango),
Ga Kenkey, gram, grits (maize), gruel, herbs
and medicinal plants, hot dog, Incaparina,
jam (bean), Job's-tears, jowar, juice (apple),
kheri, kidney (hare), kidney (pheasant),
kidney (roe deer), kubeba, legume, lentils,
linseeds, liver (hare), liver (pheasant), liver
(pig), liver (roe deer), maize, maize and bran,
maize dough, maize products, marzipan
(almond paste), mchuzi mix, meal

(cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olive, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 1/1*, conc.: 16 µg/kg, country: UK⁷⁰, *ncac

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts

(pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 1/1*, conc.: 8.1 µg/kg, country: UK⁷⁰, *ncac

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXIN G₂

incidence: 1/1*, conc.: 2.75 µg/kg, country: UK⁷⁰, *ncac

see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), cocoa, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, maize, maize dough, milk (human breast), nuts, nuts (brazil), nuts (cashew), nuts

(coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), paste (soybean), popcorn, raisins, rice, sesame seeds, shoyu, spices (cardamom), spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine

DEOXYNIVALENOL

incidence: 1/3* **, conc.: 36 µg/kg, country: Papua, New Guinea⁵⁷⁴, *from Australia, **ncac

incidence: 12/24* **, conc. range: 50–490 µg/kg, Ø conc.: 215 µg/kg, country: USA⁷⁷², *discounted or refused by grain merchants, **ncac

see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger), wheat

FUMONISIN B₁

incidence: 1/1*, conc.: 8700 µg/kg, country: Spain³⁵⁵, *ncac

see also arepas, asparagus, barley, batter, beans, beer, bran (maize), bread, cake (rice), cereals, cereals (breakfast), chamomile, chips (maize), chips (tortilla), flakes (corn), flour (maize), food, food (baby), foodstuff, grits (maize), Incaparina, leaves, maize, maize fiber, maize muffin, maize products, maize silk, maize starch, masa, meal (maize), meal

(sorghum), milk, muffin mix, nuts (peanut), pancake, popcorn, rapoko, rice, snacks, sorghum, syrup (sorghum), tea, tortillas, wheat

NIVALENOL

incidence: 1/3* **, conc.: 50 µg/kg, country: Papua, New Guinea⁵⁷⁴, *from Australia, **ncac

incidence: 3/9*, conc. range: 8.7–12 µg/kg, Ø conc.: 10.6 µg/kg, country: Japan⁸⁴³,

*imported

see also barley, beer, biscuits, bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, germ (wheat), grits (maize), grits (wheat), Job's-tears, maize, malt (barley), meal (millet), millet, noodles, oat products, oats, rice, rye, snacks, sorghum, spices (chilli sauce), spices (curry), spices (curry paste), spices (curry powder), spices (garlic), spices (ginger), spices (tandoori), wheat

OCHRATOXIN A

incidence: 26/31, conc. range: ≤0.1 µg/kg, Ø conc.: 0.059 µg/kg, country: Germany⁶⁹⁰

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds,

liquorice, liquorice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

DIACETOXYSCIRPENOL

incidence: 5/20* **, conc. range: 15–230 µg/kg, Ø conc.: 77 µg/kg, country: USA⁷⁷², *discounted or refused by grain merchants, **ncac

see also beans, beer, bran (wheat), cereals, maize, nuts (peanut), oats, products, rice, spices (chilli powder), spices (curry), wheat

T-2 TETRAOL (PRIMARILY HT–2)

incidence: 17/24* **, conc. range: 20–1070 µg/kg, Ø conc.: 180 µg/kg, country: USA⁷⁷², *discounted or refused by grain merchants, **ncac

see also barley, bran (wheat), maize, wheat

ZEARALENONE

incidence: 6/97*, conc. range: 5–39 µg/kg, country: Canada⁵²¹, *and soy foods

incidence: 19/24* **, conc. range: 80–1720 µg/kg, Ø conc.: 476 µg/kg, country: USA⁷⁷², *discounted or refused by grain merchants, **ncac

incidence: 2/17*, conc. range: >200 µg/kg (2 sa), country: Uruguay⁷⁸⁷, *ncac
see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Soybean paste

see Paste (soybean)

Soy sauce

see Shoyu

Sparkling wine

see Wine

Special wine

see Wine

Spelt may contain the following mycotoxins:

OCHRATOXIN A

incidence: 1/22*, conc.: 0.9 µg/kg, country: Germany⁶⁴⁰, *common

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat,

butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Spelt whole meal

see Meal (spelt)

Spice powder may contain the following mycotoxins:

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 1/4*, conc.: 0.9 µg/kg, country: UK⁷³², *imported

see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (figs), peas, phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

FUMONISINS (B₁, B₂)

incidence: ?/4* **, conc. range: 13–17 µg/kg, country: UK⁷³², *imported

see also beer, flour (maize), food (infant), maize, meal (maize), noodles, rice, spices (chilli pickle), spices (curry), spices (curry paste), spices (curry powder), spices (tandoori)

OCHRATOXIN A

incidence: 1/4*, conc.: 2.6 µg/kg, country: UK⁷³², *imported

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa,

copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

ZEARALENONE

incidence: : ?/4*, conc. range: 3.2–5.2 µg/kg, country: UK⁷³², *imported
see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran

(wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Spices may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 1/6, conc.: <0.4 µg/kg, country: Cyprus⁷⁴

incidence: 16/78*, conc. range: 0–1.9 µg/kg, Ø conc.: 0.8 µg/kg, country: Japan⁹⁹, *mixed
incidence: 4/10, conc. range: 10–46 µg/kg, Ø conc.: 25 µg/kg, country: Egypt¹⁶²

incidence: 5/37, conc. range: 0.2–0.8 µg/kg, country: Japan¹⁸⁴

incidence: 2/5* **, conc. range: 0.16–0.91 µg/kg, Ø conc.: 0.54 µg/kg, country:

Hungary²⁵², *mixture, ** imported
incidence: 1*/50**, conc.: 5.1 µg/kg, country:

The Netherlands³⁰⁵, *bay leaf, **imported
see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs

and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olive, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 16/78*, conc. range: 0–0.4 µg/kg, Ø conc.: <0.1 µg/kg, country: Japan⁹⁹, *mixed incidence: 1/37, conc.: 0.2 µg/kg, country: Japan¹⁸⁴
incidence: 1/5* **, conc.: 0.25 µg/kg, country: Hungary²⁵², *mixture, ** imported
see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram),

flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 16/78*, conc. range: 0–0.5 µg/kg, Ø conc.: <0.1 µg/kg, country: Japan⁹⁹, *mixed see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper),

spices (pepper, cayenne), spices (pinhol),
spices (turmeric), sunflower seeds, wine

AFLATOXINS (B₁, B₂)

incidence: 16/120, conc. range: 8–35 µg/kg,

country: Egypt⁷⁶⁴

see also flour (maize), maize, meal (protein supplement), millet, rice

AFLATOXINS

incidence: 5/16*, conc. range: 0.1–5 µg/kg

(3 sa), 6–10 µg/kg (1 sa), >50 µg/kg (1 sa),

country: Malaysia³⁹¹, *chilly powder etc.

see also beans, candy (peanut), candy (pistachio), cassava, figs, flour (maize), grain mixtures, grains, maize, maize dough, maize products, melon seeds, millet, nuts, nuts (almond), nuts (brazil), nuts (peanut), nuts (peanut butter), nuts (peanut mix), nuts (peanut products), nuts (pecan), nuts (pistachio), nuts (walnut), nuts and seeds, paste (peanut), paste (pipian), peas, rice, sauce (leaf), snacks, sorghum, spices (chilli), spices (cumin), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper), spices (tandoori), teff, tubers, wheat

CITRININ

incidence: 2/120, conc. range: 8–12 µg/kg,

Ø conc.: 10 µg/kg, country: Egypt⁷⁶⁴

see also angkak (red mold rice), barley, cereals, cheese, food, food colorant, fruits (apple), maize, maize dough, meal (copra), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), oil seed rape, olives, rice, spices (cardamom), spices (coriander), spices (cumin), spices (fennel), spices (pepper), spices (turmeric), wheat

STERIGMATOCYSTIN

incidence: 6/120, conc. range: 10–23 µg/kg,

country: Egypt⁷⁶⁴

see also barley, cassava, cheese, coffee, maize, nuts (almond), nuts (pecan), nuts (pistachio), oil seed rape, rice, spices (fennel), spices (pepper), wheat

Spices (ammi) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 1/7, conc.: 60 µg/kg, country:

India⁸⁰³

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olive, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika),

spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 1/7, conc.: 34 µg/kg, country:

India⁸⁰³

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 1/7, conc.: 32 µg/kg, country:

India⁸⁰³

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts

(coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

Spices (cardamom) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 1/6, conc.: 20 µg/kg, country:

India⁸⁰³

incidence: 3?/6*, conc. range: 18–129 µg/kg, country: India⁸⁰³, *greater

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts

(almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olive, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 1/6, conc.: 15 µg/kg, country:

India⁸⁰³

incidence: 3?/6*, conc. range: 14–108 µg/kg, country: India⁸⁰³, *greater

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi),

spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 1/6, conc.: 12 µg/kg, country:

India⁸⁰³

incidence: 3?/6, conc. range: 17–78 µg/kg, country: India⁸⁰³, *greater

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXIN G₂

incidence: 3?/6*, conc. range: 5–76 µg/kg,

country: India⁸⁰³, *greater

see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), cocoa, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, maize, maize dough, milk (human breast), nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products),

nuts (pistachio), nuts (walnut), oil (olive), paste (soybean), popcorn, raisins, rice, sesame seeds, shoyu, soybeans, spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine

CITRININ

incidence: 1/6, conc.: 25 µg/kg, country:

India⁸⁰³

see also angkak (red mold rice), barley, cereals, cheese, food, food colorant, fruits (apple), maize, maize dough, meal (copra), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), oil seed rape, olives, rice, spices, spices (coriander), spices (cumin), spices (fennel), spices (pepper), spices (turmeric), wheat

OCHRATOXIN A

incidence: 1/6*, conc.: pr, country: India⁸⁰³,

*greater

see

also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquourice, liquourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver

(turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Spices (chilli) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 107/182 conc. range: ≤969 µg/kg,

country: India¹⁴⁹

incidence: 2/2*, conc. range: 2.5–2.7 µg/kg,

Ø conc.: 2.6 µg/kg, country: Denmark¹⁹³,

*imported

incidence: 2/5*, conc. range: 0.75–8.1 µg/kg,

Ø conc.: 4.43 µg/kg, country: Hungary²⁵²,

*imported

incidence: 11/22* **, conc. range: 8.4–24 µg/kg, country: Germany⁷⁷⁵, * and cayenne,

**imported

incidence: 42/9, conc. range: 15–146 µg/kg,

country: India⁸⁰³

incidence: 28/31*, conc. range: 0.6–13.9

µg/kg, country: UK⁸³⁹, *from different countries

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olive, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 2/2*, conc. range: 1.7–2.2 µg/kg, Ø conc.: 2 µg/kg, country: Denmark¹⁹³,

*imported

incidence: 1/5*, conc.: 0.71 µg/kg, country: Hungary²⁵², *imported

incidence: 4?/9, conc. range: 11–88 µg/kg, country: India⁸⁰³

incidence: 10/31*, conc. range: 0.2–0.7 µg/kg, country: UK⁸³⁹, *from different countries

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 2/2*, conc. range: 0.6–1.2 µg/kg, Ø conc.: 0.9 µg/kg, country: Denmark¹⁹³,

*imported

incidence: 4?/9, conc. range: 8–58 µg/kg, country: India⁸⁰³

incidence: 3/31*, conc. range: 0.2–1.1 µg/kg, country: UK⁸³⁹, *from different countries

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast),

cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXIN G₂

incidence: 2/2*, conc. range: 0.7–1 µg/kg, Ø conc.: 0.9 µg/kg, country: Denmark¹⁹³, *imported

incidence: 4/9, conc. range: 6–40 µg/kg, country: India⁸⁰³

incidence: 2/31*, conc. range: 0.3–0.4 µg/kg, Ø conc.: 0.35 µg/kg, country: UK⁸³⁹, *from different countries

see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), cocoa, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, maize, maize dough, milk (human breast), nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), paste (soybean), popcorn, raisins, rice, sesame seeds, shoyu, soybeans, spices (cardamom), spices (coriander), spices (cumin), spices (fennel), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 18/50*, conc. range: 1–1.9 µg/kg (2 sa), 2–3.9 µg/kg (5 sa), 4–10 µg/kg (2 sa), 10–50 µg/kg (9 sa), country: UK¹²²,

*imported

incidence: 9/14*, conc. range: 1–1.9 µg/kg (2 sa), 2–3.9 µg/kg (3 sa), 4–10 µg/kg (1 sa), 10–50 µg/kg (2 sa), >50 µg/kg (1 sa), country: UK¹²², *imported, port sa

incidence: 12/106*, Ø conc.: 125 µg/kg, max. conc.: 966 µg/kg, country: Thailand¹⁶³,

*peppers

incidence: 13/33*, conc. range: 1–10 µg/kg (6 sa), >10 µg/kg (7 sa, with a maximum of 47.5 µg/kg), country: UK⁷²⁸, *imported see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (figs), peas, phane, poppads, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

AFLATOXINS

incidence: 9/12*, conc. range: ≤30 µg/kg, Ø conc.: 10 µg/kg, country: USA¹⁹⁷,

*imported

see also beans, candy (peanut), candy (pistachio), cassava, figs, flour (maize), grain mixtures, grains, maize, maize dough, maize products, melon seeds, millet, nuts, nuts (almond), nuts (brazil), nuts (peanut), nuts (peanut butter), nuts (peanut mix), nuts (peanut products), nuts (pecan), nuts (pistachio), nuts (walnut), nuts and seeds, paste (peanut), paste (pipian), peas, rice, sauce (leaf), snacks, sorghum, spices, spices

(cumin), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper), spices (tandoori), teff, tubers, wheat

OCHRATOXIN A

incidence: 1/5*, conc.: 2.1 µg/kg, country: Hungary²⁵², *imported
incidence: 26/100, conc. range: 10–29 µg/kg (12 sa), 30–49 µg/kg (10 sa), 50–100 µg/kg (3 sa), 120 µg/kg (1 sa), country: India⁶⁸⁴
incidence: 31/31*, conc. range: 0.3–47.7 µg/kg, country: UK⁸³⁹, *from different countries

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork,

pork pate, potatoes, products, pulp (grape), pulses, pumpnickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

ZEARALENONE

incidence: 1/9, conc.: pr, country: India⁸⁰³
see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Spices (chilli pickle) may contain the following mycotoxins:

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: ?/4*, conc. range: 1–58.5 µg/kg, country: UK⁷³², *imported
see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices,

lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (figs), peas, phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

FUMONISINS (B_1 , B_2)

incidence: 1/4*, conc.: 121 µg/kg, country: UK⁷³², *imported

see also beer, flour (maize), food (infant), maize, meal (maize), noodles, rice, spice powder, spices (curry), spices (curry paste), spices (curry powder), spices (tandoori)

OCHRATOXIN A

incidence: ?/4* conc. range: 0.5–1.2 µg/kg, country: UK⁷³², *imported

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), goats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney

(poultry), knäckebröd, lentils, linseeds, liquourice, liquourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Spices (chilli powder) may contain the following mycotoxins:

AFLATOXIN B_1

incidence: 6/6*, conc. range: tr–6 µg/kg, country: Canada¹⁶⁰, *from India

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs

and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olive, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 2/6*, conc. range: tr, country: Canada¹⁶⁰, *from India
see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog,

Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 3/6*, conc. range: tr–3 µg/kg, country: Canada¹⁶⁰, *from India
see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: ?/4*, conc. range: 1.1–5.4 µg/kg,
country: UK⁷³², *imported

see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (figs), peas, phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

DEOXYNIVALENOL

incidence: 1/4*, conc.: 8 µg/kg, country:
UK⁷³², *imported

see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (coriander), spices (garlic), spices (ginger), wheat

HT-2 TOXIN

incidence: 1/4*, conc.: 24 µg/kg, country:
UK⁷³², *imported

see also barley, bran (oat), bran (wheat), bread, cereal (baby), cereals, cereals (breakfast), flakes (oat), flour (maize), flour

(wheat), food, food (baby), germ (wheat), grits (maize), groats (oat), maize, noodles, nuts (hazelnut), oat products, oats, pumpkin seeds, pumpkin seeds, rye, spices (curry), sunflower seeds, wheat

OCHRATOXIN A

incidence: ?/4*, conc. range: 1.6–50.4 µg/kg,
country: UK⁷³², *imported

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice

powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

DIACETOXYSCIRPENOL

incidence: ?/4*, conc. range: 47–81 µg/kg, country: UK⁷³², *imported

see also beans, beer, bran (wheat), cereals, maize, nuts (peanut), oats, products, rice, soybeans, spices (curry), wheat

ZEARALENONE

incidence: ?/4*, conc. range: 4.5–15.4 µg/kg, country: UK⁷³², *imported

see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Spices (chilli sauce) may contain the following mycotoxins:

NIVALENOL

incidence: 1/4, conc.: 15 µg/kg, country: UK⁷³², *imported

see also barley, beer, biscuits, bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, germ (wheat), grits (maize), grits (wheat), Job's-tears, maize, malt (barley), meal (millet), millet, noodles, oat products, oats, rice, rye, snacks, sorghum, soybeans, spices (curry), spices (curry paste), spices (curry powder), spices (garlic), spices (ginger), spices (tandoori), wheat

OCHRATOXIN A

incidence: 1/4*, conc.: 3.3 µg/kg, country: UK⁷³², *imported

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig

blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumppernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

ZEARALENONE

incidence: 1/4*, conc.: 7.1 µg/kg, country: UK⁷³², *imported

see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (maize), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Spices (coriander) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 2/15, conc. range: 8 µg/kg, country: Egypt¹⁴

incidence: 3/10, conc. range: 19–37 µg/kg, Ø conc.: 25.7 µg/kg, country: India¹³⁰
incidence: 1*/9, conc.: 45.5 µg/kg, country: Canada¹⁵⁹, *from Morocco
incidence: 2/12*, conc. range: ≤5.2 µg/kg, country: Germany⁷⁷⁵, *imported
incidence: 6/9, conc. range: 25–230 µg/kg, country: India⁸⁰³

AFLATOXIN B₂

incidence: 1/10, conc.: 5 µg/kg, country: India¹³⁰

incidence: 1*/9, conc.: 16 µg/kg, country: Canada¹⁵⁹, *from Morocco
incidence: 6/9, conc. range: 20–72 µg/kg, country: India⁸⁰³

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (cilli powder), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 2/15, conc. range: 2 µg/kg, country: Egypt¹⁴
incidence: 3/10, conc. range: 3–4 µg/kg, Ø conc.: 3.7 µg/kg, country: India¹³⁰

incidence: 6?/9, conc. range: 13–40 µg/kg,

country: India⁸⁰³

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXIN G₂

incidence: 6?/9, conc. range: 14–35 µg/kg,

country: India⁸⁰³

see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), cocoa, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, maize, maize dough, milk (human breast), nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), paste (soybean), popcorn, raisins, rice, sesame seeds, shoyu, soybeans, spices (cardamom), spices (chilli), spices (cumin), spices (fennel), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 1/3, conc.: 0.7 µg/kg, country:

UK⁷³²

see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (figs), peas, phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

CITRININ

incidence: 1/9, conc.: 34 µg/kg, country:

India⁸⁰³

see also angkak (red mold rice), barley, cereals, cheese, food, food colorant, fruits (apple), maize, maize dough, meal (copra), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), oil seed rape, olives, rice, spices, spices (cardamom), spices (cumin), spices (fennel), spices (pepper), spices (turmeric), wheat

DEOXYNIVALENOL

incidence: 1/3*, conc.: 21 µg/kg, country:

UK⁷³², *imported

see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks,

sorghum, soybeans, spices (chilli powder), spices (garlic), spices (ginger), wheat

OCHRATOXIN A

incidence: 20/50, conc. range: 10–29 µg/kg (16 sa), 30–49 µg/kg (3 sa), 50–100 µg/kg (1 sa), country: India³³³

incidence: 1/3*, conc.: 4 µg/kg, country: UK⁷³², *imported

incidence: 1/9, conc.: pr, country: India⁸⁰³

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame

seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

ZEARALENONE

incidence: ?/3*, conc. range: 3.6–6.7 µg/kg, country: UK⁷³², *imported

incidence: 1/9, conc.: pr, country: India⁸⁰³

see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (sauce), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Spices (cumin) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 3/7*, conc. range: 1.25–2.3 µg/kg, Ø conc.: 1.85 µg/kg, country: Portugal¹²⁵, *imported?

*imported?

incidence: 2/20*, conc. range: 0.29–0.96

µg/kg, Ø conc.: 0.625 µg/kg, country: Egypt¹⁹⁹

incidence: 2/8, conc. range: 24–104 µg/kg,

Ø conc.: 64 µg/kg, country: India⁸⁰³

incidence: 8/14, conc. range: ≤ 0.08 $\mu\text{g/kg}$,
 $\emptyset$ conc.: 0.03 $\mu\text{g/kg}$, country: Morocco⁸⁶⁶
 see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olive, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices

(saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 2/8, conc. range: 12–78 $\mu\text{g/kg}$,
 $\emptyset$ conc.: 45 $\mu\text{g/kg}$, country: India⁸⁰³
 see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (cilli powder), spices (coriander), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 2/8, conc. range: 8–45 $\mu\text{g/kg}$,
 $\emptyset$ conc.: 26.5 $\mu\text{g/kg}$, country: India⁸⁰³
 see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut),

nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXIN G₂

incidence: 1/8, conc.: 30 µg/kg, country: India⁸⁰³

see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), cocoa, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, maize, maize dough, milk (human breast), nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), paste (soybean), popcorn, raisins, rice, sesame seeds, shoyu, soybeans, spices (cardamom), spices (chilli), spices (coriander), spices (fennel), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine

AFLATOXINS

incidence: 8/14, conc. range: ≤0.18 µg/kg, Ø conc.: 0.05 µg/kg, country: Morocco⁸⁶⁶
see also beans, candy (peanut), candy (pistachio), cassava, figs, flour (maize), grain mixtures, grains, maize, maize dough, maize products, melon seeds, millet, nuts, nuts (almond), nuts (brazil), nuts (peanut), nuts (peanut butter), nuts (peanut mix), nuts (peanut products), nuts (pecan), nuts (pistachio), nuts (walnut), nuts and seeds, paste (peanut), paste (pipian), peas, rice, sauce (leaf), snacks, sorghum, spices, spices (chilli), spices (ginger), spices (nutmeg),

spices (paprika), spices (pepper), spices (tandoori), teff, tubers, wheat

CITRININ

incidence: 1/8, conc.: 22 µg/kg, country: India⁸⁰³

see also angkak (red mold rice), barley, cereals, cheese, food, food colorant, fruits (apple), maize, maize dough, meal (copra), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), oil seed rape, olives, rice, spices, spices (cardamom), spices (coriander), spices (fennel), spices (pepper), spices (turmeric), wheat

Spices (curry) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 2/5* **, conc. range: 1.75–2.5 µg/kg, Ø conc.: 2.13 µg/kg, country:

Portugal¹²⁵, *imported?, **powder

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts

(coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olive, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 10/29*, conc. range: 1–1.9 µg/kg (6 sa), 2–3.9 µg/kg (2 sa), 4–10 µg/kg (2 sa), country: UK¹²², *imported

see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (figs), peas, phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

FUMONISINS (B₁, B₂)

incidence: 1/3* ** ***, conc.: 230 µg/kg, country: UK⁷³², *dry, **mixes, ***imported

see also beer, flour (maize), food (infant), maize, meal (maize), noodles, rice, spice powder, spices (chilli pickle), spices (curry paste), spices (curry powder), spices (tandoori)

FUSARENON X

incidence: 1/3* ** ***, conc.: 7 µg/kg, country: UK⁷³², *dry, **mixes, ***imported
see also cereals (breakfast), flour (maize), food, maize, oat products, spices (garlic)

HT-2 TOXIN

incidence: 1/3* ** ***, conc.: 17 µg/kg, country: UK⁷³², *dry, **mixes, ***imported
see also barley, bran (oat), bran (wheat), bread, cereal (baby), cereals, cereals (breakfast), flakes (oat), flour (maize), flour (wheat), food, food (baby), germ (wheat), grits (maize), groats (oat), maize, noodles, nuts (hazelnut), oat products, oats, pumpkin seeds, pumpkin seeds, rye, spices (chilli powder), sunflower seeds, wheat

NEOSOLANOL

incidence: 1/3* ** ***, conc.: 9 µg/kg, country: UK⁷³², *dry, **mixes, ***imported
see also cereals (breakfast), maize, oat products, sorghum, spices (ginger), wheat

NIVALENOL

incidence: 1/3* ** ***, conc.: 14 µg/kg, country: UK⁷³², *dry, **mixes, ***imported
see also barley, beer, biscuits, bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, germ (wheat), grits (maize), grits (wheat), Job's-tears, maize, malt (barley), meal (millet), millet, noodles, oat products, oats, rice, rye, snacks, sorghum, soybeans, spices (chilli sauce), spices (curry paste), spices (curry powder), spices (garlic), spices (ginger), spices (tandoori), wheat

OCHRATOXIN A

incidence: ?/3* ** ***, conc. range: 1.2–5.4 µg/kg, country: UK⁷³², *dry, **mixes, ***imported

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley),

bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquourice, liquourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

DIACETOXYSCIRPENOL

incidence: 1/3* ** ***, conc.: 25 µg/kg, country: UK⁷³², *dry, **mixes, ***imported see also beans, beer, bran (wheat), cereals, maize, nuts (peanut), oats, products, rice, soybeans, spices (chilli powder), wheat

T-2 TOXIN

incidence: 1/3* ** ***, conc.: 13 µg/kg, country: UK⁷³², *dry, **mixes, ***imported see also barley, beans, beer, bran (oat), bran (wheat), bread, cereals, cereals (breakfast), flakes (oat), flour, flour (maize), flour (wheat), food, grits (maize), maize, nuts (hazelnut), nuts (peanut), oat products, oats, rice, rye, sorghum, spices (ginger), spices (tandoori), sunflower seeds, wheat

ZEARALENONE

incidence: 1/3* ** ***, conc.: 5.2 µg/kg, country: UK⁷³², *dry, **mixes, ***imported see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (sauce), spices (coriander), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Spices (curry paste) may contain the following mycotoxins:

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 1/4*, conc.: 1.2 µg/kg, country: UK⁷³², *imported

see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (figs), peas, phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

FUMONISINS (B₁, B₂)

incidence: 1/4*, conc.: 56 µg/kg, country: UK⁷³², *imported

see also beer, flour (maize), food (infant), maize, meal (maize), noodles, rice, spice powder, spices (chilli pickle), spices (curry), spices (curry powder), spices (tandoori)

NIVALENOL

incidence: ?/4, conc. range: 5–16 µg/kg, country: UK⁷³², *imported

see also barley, beer, biscuits, bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, germ (wheat), grits (maize), grits (wheat), Job's-tears, maize, malt (barley), meal (millet), millet, noodles, oat products, oats, rice, rye, snacks, sorghum, soybeans, spices (chilli sauce), spices (curry), spices (curry powder), spices (garlic), spices (ginger), spices (tandoori), wheat

OCHRATOXIN A

incidence: ?/4*, conc. range: 0.6–15.5 µg/kg, country: UK⁷³², *imported

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat,

butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquorice, liquorice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

ZEARALENONE

incidence: ?/4, conc. range: 3.1–4.2 µg/kg, country: UK⁷³², *imported
 see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (sauce), spices (coriander), spices (curry), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Spices (curry powder) may contain the following mycotoxins:

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 10/29*, conc. range: 1–10 µg/kg (10 sa, with a maximum of 5.2 µg/kg), country: UK⁷²⁸, *imported
 incidence: ?/3* **, conc. range: 0.8–61.2 µg/kg, country: UK⁷³², *hot, **imported
 incidence: 1/3* **, conc.: 0.4 µg/kg, country: UK⁷³², *mild, **imported
 see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (figs), peas, phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices

(coriander), spices (curry), spices (curry paste), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

FUMONISINS (B₁, B₂)

incidence: ?/3* **, conc. range: 15–16 µg/kg, country: UK⁷³², *hot, **imported
 incidence: 1/3* **, conc.: 21 µg/kg, country: UK⁷³², *mild, **imported
 see also beer, flour (maize), food (infant), maize, meal (maize), noodles, rice, spice powder, spices (chilli pickle), spices (curry), spices (curry paste), spices (tandoori)

NIVALENOL

incidence: ?/3* **, conc. range: 15–50 µg/kg, country: UK⁷³², *hot, **imported
 incidence: ?/3* **, conc. range: 9–67 µg/kg, country: UK⁷³², *mild, **imported
 see also barley, beer, biscuits, bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, germ (wheat), grits (maize), grits (wheat), Job's-tears, maize, malt (barley), meal (millet), millet, noodles, oat products, oats, rice, rye, snacks, sorghum, soybeans, spices (chilli sauce), spices (curry), spices (curry paste), spices (garlic), spices (ginger), spices (tandoori), wheat

OCHRATOXIN A

incidence: ?/3* **, conc. range: 2.3–21.3 µg/kg, country: UK⁷³², *hot, **imported
 incidence: ?/3* **, conc. range: 1.8–9.4 µg/kg, country: UK⁷³², *mild, **imported
 see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal),

flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquorice, liquorice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

ZEARALENONE

incidence: ?/3* **, conc. range: 1.2–10.8 µg/kg, country: UK⁷³², *hot, **imported see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley),

flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (sauce), spices (coriander), spices (curry), spices (curry paste), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Spices (fennel) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 62/9, conc. range: 30–275 µg/kg, country: India⁸⁰³

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts

(almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olive, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 6?/9, conc. range: 28–173 µg/kg, country: India⁸⁰³
 see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (cilli powder), spices (coriander), spices (cumin),

spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 6?/9, conc. range: 15–76 µg/kg, country: India⁸⁰³
 see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXIN G₂

incidence: 6?/9, conc. range: 9–69 µg/kg, country: India⁸⁰³
 see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), cocoa, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, maize, maize dough, milk (human breast), nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), paste (soybean), popcorn, raisins, rice, sesame seeds, shoyu, soybeans, spices (cardamom), spices (chilli), spices

(coriander), spices (cumin), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 1/3, conc.: 1.2 µg/kg, country: UK⁷³²

see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (figs), peas, phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

CITRININ

incidence: 2/9, conc. range: 28–59 µg/kg, Ø conc.: 43.5 µg/kg, country: India⁸⁰³

see also angkak (red mold rice), barley, cereals, cheese, food, food colorant, fruits (apple), maize, maize dough, meal (copra), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), oil seed rape, olives, rice, spices, spices (cardamom), spices (coriander), spices (cumin), spices (pepper), spices (turmeric), wheat

OCHRATOXIN A

incidence: 1/9, conc.: pr, country: India⁸⁰³

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa

powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquourice, liquourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

STERIGMATOCYSTIN

incidence: 1/9, conc.: 142 µg/kg, country: India⁸⁰³

see also barley, cassava, cheese, coffee, maize, nuts (almond), nuts (pecan), nuts (pistachio), oil seed rape, rice, spices, spices (pepper), wheat

ZEARALENONE

incidence: 1/3*, conc.: 7 µg/kg, country:

UK⁷³², *imported

see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (garlic pickle), spices (pepper), sunflower seeds, vegetables, wheat

Spices (fenugreek) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 3/6, conc. range: 2–4.3 µg/kg,

country: Egypt⁶²

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina,

jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olive, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 2/6, conc. range: 2.5–3 µg/kg,

country: Egypt⁶²

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize

products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (cilli powder), spices (coriander), spices (cumin), spices (fennel), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 1/6, conc.: 1.8 µg/kg, country: Egypt⁶²

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 1/2*, conc.: 2.5 µg/kg, country: UK⁷²⁸, *imported

see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (figs), peas, phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

Spices (garlic) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 1/6, conc.: 12 µg/kg, country: India⁸⁰³

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk

products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olive, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (safron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 1/6, conc.: 15 µg/kg, country: India⁸⁰³

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds,

sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 1/6, conc.: 10 µg/kg, country: India⁸⁰³

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

DEOXYNIVALENOL

incidence: 1/4* conc.: 14 µg/kg, country: UK⁷³²

see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats

(oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (ginger), wheat

FUSARENON X

incidence: 1/4*, conc.: 5 µg/kg, country: UK⁷³²

see also cereals (breakfast), flour (maize), food, maize, oat products, spices (curry)

NIVALENOL

incidence: 1/4*, conc.: 21 µg/kg, country: UK⁷³²

see also barley, beer, biscuits, bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, germ (wheat), grits (maize), grits (wheat), Job's-tears, maize, malt (barley), meal (millet), millet, noodles, oat products, oats, rice, rye, snacks, sorghum, soybeans, spices (chilli sauce), spices (curry), spices (curry paste), spices (curry powder), spices (ginger), spices (tandoori), wheat

Spices (garlic pickle) may contain the following mycotoxins:

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: ?/4*, conc. range: 0.2–0.6 µg/kg, country: UK⁷³², *imported

see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (figs), peas, phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry

paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

OCHRATOXIN A

incidence: ?/4*, conc.: 0.9–2.5 µg/kg, country: UK⁷³², *imported

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice

powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

ZEARALENONE

incidence: 1/4*, conc.: 3.8 µg/kg, country: UK⁷³², *imported

see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (pepper), sunflower seeds, vegetables, wheat

Spices (garlic/onions) may contain the following mycotoxins:

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 2/58, Ø conc.: 67 µg/kg? max. conc.: 60? µg/kg, country: Thailand¹⁶³

see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts

(peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (figs), peas, phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

Spices (ginger) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 3/5*, conc. range: 1.4–6.5 µg/kg, Ø conc.: 4 µg/kg, country: USA¹¹, *imported incidence: 8/15, conc.: tr ≈25 µg/kg, country: Canada¹⁵⁹, *imported

incidence: 10/12, conc. range: ≤3.5 µg/kg, Ø conc.: 0.63 µg/kg, country: Morocco⁸⁶⁶
see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep),

millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olive, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 2/5*, conc. range: 0.2 µg/kg,

Ø conc.: 0.2 µg/kg, country: USA¹¹,

*imported

incidence: 7/15, conc.: tr–15 µg/kg, country:

Canada¹⁵⁹, *imported

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge,

ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (cilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 1/5*, conc.: 2.5 µg/kg, country:

USA¹¹, *imported

incidence: 3/15, conc.: tr–15 µg/kg, country:

Canada¹⁵⁹, *imported

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXIN G₂

incidence: 1/5*, conc.: 0.2 µg/kg, country:

USA¹¹, *imported

incidence: 2/15, conc.: tr–4 µg/kg, country:

Canada¹⁵⁹, *imported

see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), cocoa, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel,

maize, maize dough, milk (human breast), nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), paste (soybean), popcorn, raisins, rice, sesame seeds, shoyu, soybeans, spices (cardamom), spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 3/8*, conc. range: 1–10 µg/kg (3 sa, with a maximum of 8.4 µg/kg), country: UK⁷²⁸, *imported
incidence: 2/4*, conc. range: 4.2–13.5 µg/kg, country: UK⁷³², *imported
see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (figs), peas, phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

AFLATOXINS

incidence: 1/3*, conc.: 2 µg/kg, country: USA¹⁹⁷, *imported
incidence: 10/12, conc. range: ≤9.1 µg/kg, Ø conc.: 1.47 µg/kg, country: Morocco⁸⁶⁶
see also beans, candy (peanut), candy (pistachio), cassava, figs, flour (maize), grain mixtures, grains, maize, maize dough, maize products, melon seeds, millet, nuts, nuts

(almond), nuts (brazil), nuts (peanut), nuts (peanut butter), nuts (peanut mix), nuts (peanut products), nuts (pecan), nuts (pistachio), nuts (walnut), nuts and seeds, paste (peanut), paste (pipian), peas, rice, sauce (leaf), snacks, sorghum, spices, spices (chilli), spices (cumin), spices (nutmeg), spices (paprika), spices (pepper), spices (tandoori), teff, tubers, wheat

DEOXYNIVALENOL

incidence: 1/4*, conc.: 9 µg/kg, country: UK⁷³², *imported
see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), wheat

NEOSOLANIOL

incidence: 1/4*, conc.: 23 µg/kg, country: UK⁷³², *imported
see also cereals (breakfast), maize, oat products, sorghum, spices (curry), wheat

NIVALENOL

incidence: 1/4*, conc.: 34 µg/kg, country: UK⁷³², *imported
see also barley, beer, biscuits, bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, germ (wheat), grits (maize), grits (wheat), Job's-tears, maize, malt (barley), meal (millet), millet, noodles, oat products, oats, rice, rye, snacks, sorghum, soybeans, spices (chilli sauce), spices (curry), spices (curry paste), spices (curry powder), spices (garlic), spices (tandoori), wheat

OCHRATOXIN A

incidence: 2/25, conc. range: 10–29 µg/kg (1 sa), 50–100 µg/kg (1 sa), country: India³³³
 incidence: ?/4*, conc. range: 2.1–7.5 µg/kg, country: UK⁷³², *imported

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices

(curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

T-2 TOXIN

incidence: 1/4*, conc.: 18 µg/kg, country: UK⁷³², *imported

see also barley, beans, beer, bran (oat), bran (wheat), bread, cereals, cereals (breakfast), flakes (oat), flour, flour (maize), flour (wheat), food, grits (maize), maize, nuts (hazelnut), nuts (peanut), oat products, oats, rice, rye, sorghum, spices (curry), spices (tandoori), sunflower seeds, wheat

Spices (Indian cassia) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 1/6, conc.: 13 µg/kg, country: India⁸⁰³

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk

products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olive, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 1/6, conc.: 11 µg/kg, country: India⁸⁰³

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds,

sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 1/6, conc.: 8 µg/kg, country: India⁸⁰³

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXIN G₂

incidence: 1/6, conc.: 4 µg/kg, country: India⁸⁰³

see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), cocoa, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, maize, maize dough, milk (human breast), nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive),

paste (soybean), popcorn, raisins, rice, sesame seeds, shoyu, soybeans, spices (cardamom), spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine

Spices (ingwer) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 1/12*, conc.: $\leq 5 \mu\text{g/kg}$, country: Germany⁷⁷⁵, *imported

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil

(peanut), oil seed rape, olive, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

Spices (mustard) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 44/100, conc. range: tr–750 $\mu\text{g/kg}$, country: India¹⁵⁴

incidence: 17/41, conc. range: 8–780 $\mu\text{g/kg}$, country: India³⁹⁸

incidence: 40/273, conc. range: 8–640 $\mu\text{g/kg}$, country: India⁴⁷²

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk

products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olive, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 9/100, conc. range: ? µg/kg, country: India¹⁵⁴

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds,

sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 3/100, conc. range: ? µg/kg, country: India¹⁵⁴

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXIN G₂

incidence: 1/100, conc.: ? µg/kg, country: India¹⁵⁴

see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), cocoa, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, maize, maize dough, milk (human breast), nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products),

nuts (pistachio), nuts (walnut), oil (olive), paste (soybean), popcorn, raisins, rice, sesame seeds, shoyu, soybeans, spices (cardamom), spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (ginger), spices (Indian cassia), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine

OCHRATOXIN A

incidence: 3/4*, conc. range: ≤ 0.34 $\mu\text{g/kg}$,

country: Germany⁶³⁹, *and imported?

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork,

pork pate, potatoes, products, pulp (grape), pulses, pumpnickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Spices (nutmeg) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 3*/13, conc. range: 5–15 $\mu\text{g/kg}$,

country: Germany⁶⁷, *moldy

incidence: 84/108, conc. range: 0.2–13.4

$\mu\text{g/kg}$, Ø conc.: 3.6 $\mu\text{g/kg}$, country: Japan⁹⁹

incidence: 8/10*, conc. range: 1.25–58 $\mu\text{g/kg}$,

Ø conc.: 20.85 $\mu\text{g/kg}$, country: Portugal¹²⁵,

*imported?

incidence: 4/13*, conc. range: 5–37.5 $\mu\text{g/kg}$,

country: Canada¹⁵⁹, *imported

incidence: 3/5*, conc. range: 2.5–5.5 $\mu\text{g/kg}$,

country: USA¹⁸³, *from Indonesia, Malaysia or India

incidence: 25/56, conc. range: 0.2–60.3 $\mu\text{g/kg}$,

country: Japan¹⁸⁴

incidence: 30/32*, conc. range: 1–23.2 $\mu\text{g/kg}$,

Ø conc.: 12.5 $\mu\text{g/kg}$, country: The

Netherlands³⁰⁵, *imported

incidence: 1/9*, conc.: 0.09 $\mu\text{g/kg}$, country:

France³⁹⁷, *whole

incidence: 5/5*, conc. range: 0.05–0.1 $\mu\text{g/kg}$

(1 sa), 5.1–10 $\mu\text{g/kg}$ (1 sa), 11–40 $\mu\text{g/kg}$

(1 sa), >40 $\mu\text{g/kg}$ (41 + 58 $\mu\text{g/kg}$), Ø conc.:

23.8 $\mu\text{g/kg}$, country: France³⁹⁷, *powdered

incidence: 11/28*, conc. range: 5.4–7.7 $\mu\text{g/kg}$,

country: Germany⁷⁷⁵, *imported

incidence: 2/3, conc. range: 0.4–0.6 $\mu\text{g/kg}$,

Ø conc.: 0.5 $\mu\text{g/kg}$, country: Japan⁸⁵⁶

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olive, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 84/108, conc. range: 0–2.5 µg/kg, Ø conc.: 0.5 µg/kg, country: Japan⁹⁹

incidence: 3/13*, conc. range: tr–15 µg/kg, country: Canada¹⁵⁹, *imported

incidence: 3/5*, conc. range: 0.75–1.1 µg/kg, country: USA¹⁸³, *from Indonesia, Malaysia or India

incidence: 25/56, conc. range: 0.1–0.2 µg/kg, country: Japan¹⁸⁴

incidence: 1/3, conc.: 0.2 µg/kg, country: Japan⁸⁵⁶

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (cilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 84/108, conc. range: 0–2.8 µg/kg, Ø conc.: <0.1 µg/kg, country: Japan⁹⁹

incidence: 25/56, conc. range: 0.2–1.4 µg/kg, country: Japan¹⁸⁴

incidence: 1/3, conc.: 0.2 µg/kg, country: Japan⁸⁵⁶

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFATOXIN G₂

incidence: 84/108, conc. range: 0–0.4 µg/kg,

Ø conc.: <0.1 µg/kg, country: Japan⁹⁹

incidence: 1/56, conc.: 0.3 µg/kg, country:

Japan¹⁸⁴

see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), cocoa, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, maize, maize dough, milk (human breast), nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), paste (soybean), popcorn, raisins, rice, sesame seeds, shoyu, soybeans, spices (cardamom), spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (ginger), spices (Indian cassia), spices (mustard), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine

AFATOXINS (B₁, B₂, G₁, G₂)

incidence: 30/32*, conc. range: 2.7–36.5

µg/kg, Ø conc.: 15.8 µg/kg, country: The Netherlands³⁰⁵, *imported

see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (figs), peas, phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

AFATOXINS

incidence: 5/5*, conc. range: ≤20 µg/kg,

Ø conc.: 13 µg/kg, country: USA¹⁹⁷,

*imported

see also beans, candy (peanut), candy (pistachio), cassava, figs, flour (maize), grain mixtures, grains, maize, maize dough, maize products, melon seeds, millet, nuts, nuts (almond), nuts (brazil), nuts (peanut), nuts (peanut butter), nuts (peanut mix), nuts (peanut products), nuts (pecan), nuts (pistachio), nuts (walnut), nuts and seeds, paste (peanut), paste (pipian), peas, rice, sauce (leaf), snacks, sorghum, spices, spices (chilli), spices (cumin), spices (ginger), spices (paprika), spices (pepper), spices (tandoori), teff, tubers, wheat

OCHRATOXIN A

incidence: 1/1, conc.: 2.9 µg/kg, country:

Germany⁶⁴⁰

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, coppa, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs,

duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquourice, liquourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Spices (paprika) may contain the following mycotoxins:

AFATOXIN B₁

incidence: 5/12*, conc. range: 0.2–1.3 µg/kg, Ø conc.: 0.6 µg/kg, country: Japan⁹⁹, *powder?

incidence: 8/12*, conc. range: 1.25–17.75 µg/kg, Ø conc.: 6.98 µg/kg, country: Portugal¹²⁵, *imported?

incidence: 7/15*, conc. range: 2.8–14.5 µg/kg, Ø conc.: 7.6 µg/kg, country: Germany⁶⁰², *imported?

incidence: 25/25*, conc. range: 0.2–3.4 µg/kg, country: UK⁸³⁹, *from different countries

incidence: 14/14*, conc. range: ≤5.4 µg/kg, Ø conc.: 2.88 µg/kg, country: Morocco⁸⁶⁶, *red

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olive, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi),

spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 5/12*, conc. range: 0–0.2 µg/kg, Ø conc.: <0.1 µg/kg, country: Japan⁹⁹,

*powder?

incidence: 7/15*, conc. range: 0.1–1.7 µg/kg, Ø conc.: 0.81 µg/kg, country: Germany⁶⁰², imported?

incidence: 3/25*, conc. range: 0.2–0.3 µg/kg, Ø conc.: 0.23 µg/kg, country: UK⁸³⁹, *from different countries

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 23/25*, conc. range: 0.2–2.2 µg/kg, country: UK⁸³⁹, *from different countries

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXIN G₂

incidence: 11/25*, conc. range: 0.2–0.7 µg/kg, country: UK⁸³⁹, *from different countries

see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), cocoa, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, maize, maize dough, milk (human breast), nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), paste (soybean), popcorn, raisins, rice, sesame seeds, shoyu, soybeans, spices (cardamom), spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 1/9* **, conc.: 1.8 µg/kg, country: UK⁷²⁸, *powder?, **imported

see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (figs), peas, phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (pepper, cayenne), sunflower seeds, vegetables, wheat

AFLATOXINS

incidence: 14/14*, conc. range: ≤9.68 µg/kg, Ø conc.: 5.23 µg/kg, country: Morocco⁸⁶⁶, *red

see also beans, candy (peanut), candy (pistachio), cassava, figs, flour (maize), grain mixtures, grains, maize, maize dough, maize products, melon seeds, millet, nuts, nuts (almond), nuts (brazil), nuts (peanut), nuts (peanut butter), nuts (peanut mix), nuts (peanut products), nuts (pecan), nuts (pistachio), nuts (walnut), nuts and seeds, paste (peanut), paste (pipian), peas, rice, sauce (leaf), snacks, sorghum, spices, spices (chilli), spices (cumin), spices (ginger), spices (nutmeg), spices (pepper), spices (tandoori), teff, tubers, wheat

OCHRATOXIN A

incidence: 9/10*, conc. range: 0.5–8.6 µg/kg, Ø conc.: 3.1 µg/kg, country: Germany⁵⁷⁶, *imported

incidence: 25/25*, conc. range: 0.3–47.7 µg/kg, country: UK⁸³⁹, *from different countries

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley),

bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquourice, liquourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Spices (pepper) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 8/15* **, conc. range: 0.2–32.9 µg/kg, Ø conc.: 8.1 µg/kg, country: USA¹¹, *red, **imported
 incidence: 1/7* **, conc.: 0.3 µg/kg, country: USA¹¹, *white, **imported
 incidence: 4/15*, conc. range: 22 µg/kg, country: Egypt¹⁴, *white
 incidence: 4/15*, conc. range: 35 µg/kg, country: Egypt¹⁴, *black
 incidence: 8/60*, conc. range: 250–525 µg/kg, Ø conc.: 425.7 µg/kg, country: Ethiopia⁵³, *black
 incidence: 2/10*, conc. range: 2.6–9.1 µg/kg, Ø conc.: 5.9 µg/kg, country: Japan⁹⁹, *red
 incidence: 11/84*, conc. range: 0.1–1.8 µg/kg, Ø conc.: 0.8 µg/kg, country: Japan⁹⁹, *white
 incidence: 3/7* **, conc. range: 1.25–5 µg/kg, Ø conc.: 3.67 µg/kg, country: Portugal¹²⁵, *white, **imported?
 incidence: 3/8* **, conc. range: 1.5–2.2 µg/kg, Ø conc.: 1.96 µg/kg, country: Portugal¹²⁵, *red, **imported?
 incidence: 7/24*, conc. range: 0.6–2.3 µg/kg, country: Japan¹⁸⁴, *white
 incidence: 18/70**, conc. range: 0.14–15.7 µg/kg, country: Hungary²⁵², *red, **partly imported
 incidence: 1/6* **, conc.: 0.46 µg/kg, country: Hungary²⁵², *black, **imported
 incidence: 1/1* **, conc.: 2 µg/kg, country: Japan³⁴⁶, *red, **imported
 incidence: 1/1* **, conc.: 10.8 µg/kg, country: Japan³⁴⁶, *black, **imported
 incidence: 20/32* **, conc. range: 1.7–100 µg/kg**, Ø conc.: 29 µg/kg, country: Turkey³⁴⁷, *red, **partly imported and unknown origin, ***TLC and HPLC
 incidence: 53/8*, conc. range: 17–190 µg/kg, country: India⁸⁰³, *black
 incidence: 1/2* **, conc.: 0.8 µg/kg, country: Japan⁸⁵⁶, *red, **imported
 incidence: 1/13* **, conc.: 0.6 µg/kg, country: Japan⁸⁵⁶, *white, **imported

incidence: 7/15*, conc. range: ≤0.3 µg/kg, Ø conc.: 0.09 µg/kg, country: Morocco⁸⁶⁶, *black
 incidence: 17/26*, conc. range: 0.6–56 µg/kg, Ø conc.: 17.5 µg/kg, country: Turkey⁸⁶⁸, *red
 see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olive, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger),

spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFATOXIN B₂

incidence: 8/15* **, conc. range: 0.1–1.5 µg/kg, Ø conc.: 0.38 µg/kg, country: USA¹¹, *red, **imported
 incidence: 2/10*, conc. range: 0–0.4 µg/kg, Ø conc.: 0.2 µg/kg, country: Japan⁹⁹, *red
 incidence: 11/84*, conc. range: 0–0.3 µg/kg, Ø conc.: <0.1 µg/kg, country: Japan⁹⁹, *white
 incidence: 7/24*, conc. range: 0.1–0.2 µg/kg, country: Japan¹⁸⁴, *white
 incidence: 10/70* **, conc. range: 0.22–1.25 µg/kg, country: Hungary²⁵², *red, **partly imported
 incidence: 7/32* **, conc. range: 3.2–40 µg/kg***, Ø conc.: 11.2 µg/kg, country: Turkey³⁴⁷, *red, **partly imported and unknown origin, ***TLC
 incidence: 5/8*, conc. range: 12–150 µg/kg, country: India⁸⁰³, *black
 incidence: 5/26*, conc. range: 0.4–2.3 µg/kg, Ø conc.: 1.46 µg/kg, country: Turkey⁸⁶⁸, *red
 see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (cilli

powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFATOXIN G₁

incidence: 8/15* **, conc. range: 0.7–28.4 µg/kg, Ø conc.: 9.1 µg/kg, country: USA¹¹, *red, **imported
 incidence: 2/10*, conc. range: 0–1.9 µg/kg, Ø conc.: 1 µg/kg, country: Japan⁹⁹, *red
 incidence: 11/84*, conc. range: 0–0.9 µg/kg, Ø conc.: 0.2 µg/kg, country: Japan⁹⁹, *white
 incidence: 3/7* **, conc. range: 1.8–3.7 µg/kg, country: USA¹⁸³, *black, **from Indonesia, Malaysia or India
 incidence: 7/24*, conc. range: 0.2–1.4 µg/kg, country: Japan¹⁸⁴, *white
 incidence: 2/20*, conc. range: 1.72–3.18 µg/kg, Ø conc.: 2.45 µg/kg, country: Egypt¹⁹⁹, *black
 incidence: 4/32* **, conc. range: 0.9–20 µg/kg***, Ø conc.: 8.7 µg/kg, country: Turkey³⁴⁷, *red, **partly imported and unknown origin, ***TLC
 incidence: 5/8*, conc. range: 15–75 µg/kg, country: India⁸⁰³, *black
 incidence: 1/26*, conc.: 0.6 µg/kg, country: Turkey⁸⁶⁸, *red
 see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel),

spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXIN G₂

incidence: 1/15* **, conc.: 1.1 µg/kg, country: USA¹¹, *red, **imported

incidence: 1/7* **, conc.: 1.1 µg/kg, country: USA¹⁸³, *black, **from Indonesia, Malaysia or India

incidence: 1/32* **, conc.: 2 µg/kg***, country: Turkey³⁴⁷, *red, **partly imported and unknown origin, ***TLC

incidence: 5?/8*, conc. range: 12–76 µg/kg, country: India⁸⁰³, *black

see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), cocoa, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, maize, maize dough, milk (human breast), nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), paste (soybean), popcorn, raisins, rice, sesame seeds, shoyu, soybeans, spices (cardamom), spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine

AFLATOXIN

incidence: ?/13* **, conc. range: ≤32 µg/kg, country: Ethiopia⁷⁶, *red, **powder

see also barley, beer, bran (rice), flour (maize), injera, jars, kocho, maize, maize roti, malt (barley), malt (maize), nuts (peanut), nuts (peanut butter), nuts (pistachio), oil (peanut), paste (pepper, red), rice

AFLATOXINS (B, G)

incidence: 1/20*, conc.: 13.8 µg/kg, country: Turkey²⁶², *isot

incidence: 8/44* **, conc. range: 1.1–97.5 µg/kg, Ø conc.: 20.5 µg/kg, country: Turkey²⁶², *red, **scaled

incidence: 3/26* **, conc. range: 1.8–16.4 µg/kg, Ø conc.: 7.3 µg/kg, country: Turkey²⁶², *red, **powder

AFLATOXINS

incidence: 14/15*, conc. range: ≤0.55 µg/kg, Ø conc.: 0.21 µg/kg, country: Morocco⁸⁶⁶, *black

see also beans, candy (peanut), candy (pistachio), cassava, figs, flour (maize), grain mixtures, grains, maize, maize dough, maize products, melon seeds, millet, nuts, nuts (almond), nuts (brazil), nuts (peanut), nuts (peanut butter), nuts (peanut mix), nuts (peanut products), nuts (pecan), nuts (pistachio), nuts (walnut), nuts and seeds, paste (peanut), paste (pipian), peas, rice, sauce (leaf), snacks, sorghum, spices, spices (chilli), spices (cumin), spices (ginger), spices (nutmeg), spices (paprika), spices (tandoori), teff, tubers, wheat

ALTERNARIOL

incidence: 1/1, conc.: 640 µg/kg, country: Italy³⁴⁰

see also bran, fruits (apple), fruits (mandarin fruit), juice (apple, concentrate), fruits (apple, concentrate), olives, sunflower seeds, tomatoes, wheat

ALTERNARIOL METHYL ETHER

incidence: 1/1, conc.: 49 µg/kg, country: Italy³⁴⁰

see also barley, bran, fruits (apple), fruits (mandarin fruit), fruits (melon), juice (apple, concentrate), olives, ragi, sorghum, sunflower seeds, tomatoes, wheat

CITRININ

incidence: 1/8*, conc.: 50 µg/kg, country: India⁸⁰³, *black

see also angkak (red mold rice), barley, cereals, cheese, food, food colorant, fruits (apple), maize, maize dough, meal (copra), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), oil seed rape, olives, rice, spices, spices (cardamom), spices (coriander), spices (cumin), spices (fennel), spices (turmeric), wheat

OCHRATOXIN A

incidence: 32/70* **, conc. range: 0.4–66.2 µg/kg, country: Hungary²⁵², *red, **partly imported

incidence: 14/26*, conc. range: 10–29 µg/kg (8 sa), 30–49 µg/kg (5 sa), 50–100 µg/kg (1 sa), country: India³³³, *black

incidence: 1/2, conc.: 1 µg/kg, country: Germany⁶⁴⁰

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquorice, liquorice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame

seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

STERIGMATOCYSTIN

incidence: 2/8*, conc. range: 105–125 µg/kg, Ø conc.: 115 µg/kg, country: India⁸⁰³, *black
see also barley, cassava, cheese, coffee, maize, nuts (almond), nuts (pecan), nuts (pistachio), oil seed rape, rice, spices, spices (fennel), wheat

TENUAZONIC ACID

incidence: 1/1, conc.: 54 µg/kg, country: Italy³⁴⁰

see also bran, cassava, fruits (mandarin fruit), maize, olives, pulp (tomato), ragi, rice, sorghum, sunflower seeds, tomato purée, tomatoes, wheat

ZEARALENONE

incidence: 5/10*, conc. range: 2–17 µg/kg, country: Germany⁵²⁰, *red

see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (sauce), spices (coriander), spices (curry), spices (curry

paste), spices (curry powder), spices (fennel), spices (garlic pickle), sunflower seeds, vegetables, wheat

Spices (pepper, cayenne) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 5/5*, conc. range: 2.3–31.8 µg/kg, Ø conc.: 8.87 µg/kg, country: Portugal¹²⁵,

*imported?

incidence: 10/33*, conc. range: tr–8 µg/kg, country: Canada¹⁶⁰, *from India

incidence: 2/2*, conc. range: 2.1–5.5 µg/kg, Ø conc.: 3.8 µg/kg, country: Denmark¹⁹³,

*imported

incidence: 13/24* **, conc. range: 9.5–211.3 µg/kg, Ø conc.: 62.3 µg/kg, country:

Germany⁶⁰², *imported, **and ground chillies incidence: 4/4*, conc. range: 0.2–6.8 µg/kg,

Ø conc.: 2.26 µg/kg, country: UK⁸³⁹, *from different countries

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts

(coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olive, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 5/33*, conc. range: tr, country: Canada¹⁶⁰, *from India

incidence: 2/2*, conc. range: 2.1–3.9 µg/kg, Ø conc.: 3 µg/kg, country: Denmark¹⁹³,

*imported

incidence: 13/24* **, conc. range: 0.3–7.1 µg/kg, Ø conc.: 1.8 µg/kg, country:

Germany⁶⁰², *imported, **and ground chillies incidence: 1/4*, conc.: 0.2 µg/kg, country:

UK⁸³⁹, *from different countries

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products),

nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (cilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (turmeric), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 2/2*, conc. range: 1–2.4 µg/kg,

Ø conc.: 1.7 µg/kg, country: Denmark¹⁹³,

*imported

incidence: 11/24* **, conc. range: 0.2–18.3

µg/kg, Ø conc.: 5.9 µg/kg, country:

Germany⁶⁰², *imported, **and ground chillies

incidence: 1/4*, conc.: 0.8 µg/kg, country:

UK⁸³⁹, *from different countries

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pinhol), spices (turmeric), sunflower seeds, wine

AFLATOXIN G₂

incidence: 2/2*, conc. range: 0.6–1.5 µg/kg,

Ø conc.: 1.1 µg/kg, country: Denmark¹⁹³,

*imported

see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), cocoa, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, maize, maize dough, milk (human breast), nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), paste (soybean), popcorn, raisins, rice, sesame seeds, shoyu, soybeans, spices (cardamom), spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (turmeric), sunflower seeds, wine

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 4/8*, conc. range: 1–10 µg/kg

(2 sa), >10 µg/kg (2 sa, with a maximum of

14.8 µg/kg), country: UK⁷²⁸, *imported

see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (figs), peas, phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), sunflower seeds, vegetables, wheat

OCHRATOXIN A

incidence: 4/4*, conc. range: 2.4–16.5 µg/kg,

Ø conc.: 6.98 µg/kg, country: UK⁸³⁹, *from

different countries

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals,

cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquorice, liquorice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Spices (pinhol) may contain the following mycotoxins:

AFLATOXIN G₁

incidence: 1/2*, conc.: 0.5 µg/kg, country: Spain²⁶¹, *and China

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wine

Spices (saffron) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 2/5*, conc. range: 2–2.75 µg/kg, Ø conc.: 2.38 µg/kg, country: Portugal¹²⁵, *imported?

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs

and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olive, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

Spices (tandoori) may contain the following mycotoxins:

AFLATOXINS

incidence: $\approx 3^*$, conc. range: 1.9–6.8 $\mu\text{g/kg}$, country: UK⁷³², *imported
see also beans, candy (peanut), candy (pistachio), cassava, figs, flour (maize), grain mixtures, grains, maize, maize dough, maize products, melon seeds, millet, nuts, nuts (almond), nuts (brazil), nuts (peanut), nuts

(peanut butter), nuts (peanut mix), nuts (peanut products), nuts (pecan), nuts (pistachio), nuts (walnut), nuts and seeds, paste (peanut), paste (pipian), peas, rice, sauce (leaf), snacks, sorghum, spices, spices (chilli), spices (cumin), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper), teff, tubers, wheat

FUMONISINS (B_1 , B_2)

incidence: $1/3^*$, conc.: 19 $\mu\text{g/kg}$, country: UK⁷³², *imported
see also beer, flour (maize), food (infant), maize, meal (maize), noodles, rice, spice powder, spices (chilli pickle), spices (curry), spices (curry paste), spices (curry powder)

NIVALENOL

incidence: $\approx 3^*$, conc. range: 60–126 $\mu\text{g/kg}$, country: UK⁷³², *imported
see also barley, beer, biscuits, bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, germ (wheat), grits (maize), grits (wheat), Job's-tears, maize, malt (barley), meal (millet), millet, noodles, oat products, oats, rice, rye, snacks, sorghum, soybeans, spices (chilli sauce), spices (curry), spices (curry paste), spices (curry powder), spices (garlic), spices (ginger), wheat

OCHRATOXIN A

incidence: $\approx 3^*$, conc. range: 2.2–23.9 $\mu\text{g/kg}$, country: UK⁷³², *imported
see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot),

fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

T-2 TOXIN

incidence: ?/3*, conc. range: ≤ 281 $\mu\text{g/kg}$, country: UK⁷³², *imported
see also barley, beans, beer, bran (oat), bran (wheat), bread, cereals, cereals (breakfast), flakes (oat), flour, flour (maize), flour (wheat), food, grits (maize), maize, nuts (hazelnut), nuts (peanut), oat products, oats, rice, rye, sorghum, spices (curry), spices (ginger), sunflower seeds, wheat

Spices (turmeric) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 2/15, conc. range: 12 $\mu\text{g/kg}$, country: Egypt¹⁴
incidence: 6/7*, conc. range: tr–3.8 $\mu\text{g/kg}$, country: Canada¹⁵⁹, *imported
incidence: 52/9, conc. range: 21–165 $\mu\text{g/kg}$, country: India⁸⁰³

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olive, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi),

spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), sugar, sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 3/7*, conc. range: tr–1.3 µg/kg,

country: Canada¹⁵⁹, *imported

incidence: 5?/9, conc. range: 12–150 µg/kg,

country: India⁸⁰³

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (cilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), sugar, sunflower seeds, wheat, wine

AFLATOXIN G₁

incidence: 2/15, conc. range: 8 µg/kg,

country: Egypt¹⁴

incidence: 5?/9, conc. range: 20–125 µg/kg,

country: India⁸⁰³

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), sunflower seeds, wine

AFLATOXIN G₂

incidence: 5?/9, conc. range: 14–125 µg/kg,

country: India⁸⁰³

see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), cocoa, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, maize, maize dough, milk (human breast), nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), paste (soybean), popcorn, raisins, rice, sesame seeds, shoyu, soybeans, spices (cardamom), spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), sunflower seeds, wine

CITRININ

incidence: 2/9, conc. range: 48–52 µg/kg,

Ø conc.: 50 µg/kg, country: India⁸⁰³

see also angkak (red mold rice), barley, cereals, cheese, food, food colorant, fruits

(apple), maize, maize dough, meal (copra), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), oil seed rape, olives, rice, spices, spices (cardamom), spices (coriander), spices (cumin), spices (fennel), spices (pepper), wheat

OCHRATOXIN A

incidence: 9/25, conc. range: 10–29 µg/kg (3 sa), 30–49 µg/kg (2 sa), 50–100 µg/kg (3 sa), 110 µg/kg (1 sa), country: India³³³
see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquourice, liquourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages,

sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

RUBRATOXIN

incidence: 1/9, conc.: 375 µg/kg, country: India⁸⁰³
see also nuts (almond), nuts (walnut), wheat

Stilton cheese

see Cheese (blue)

Strawberries

see Berries (strawberry)

Sugar may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 3/9, conc. range: 1–1.5 µg/kg, Ø conc.: 1.2 µg/kg, country: Japan⁹⁹
see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan

(almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olive, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sunflower seeds, taharna (fermented cereal product), vegetables, wheat, wine

AFATOXIN B₂

incidence: 3/9, conc. range: 0.1–0.2 µg/kg, Ø conc.: 0.1 µg/kg, country: Japan⁹⁹
 see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut

butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (cilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sunflower seeds, wheat, wine

Sultanas may contain the following mycotoxins:

OCHRATOXIN A

incidence: 179/264*, conc. range: 0.026–1 µg/kg (51 sa), 1.01–2 µg/kg (24 sa), 2.01–5 µg/kg (49 sa), 5.01–10 µg/kg (29 sa), >10 µg/kg (26 sa, with a maximum of 54 µg/kg), country: Turkey²⁵¹, *unprocessed
 incidence: 17/27, conc. range: ≤13.2 µg/kg, country: Greece²⁶³
 incidence: 17/20*, conc. range: 0.5–>20 µg/kg, country: UK⁶³⁵, *from different countries
 incidence: 92/100*, conc. range: 0.1 µg/kg (5 sa), 0.2–4 µg/kg (67 sa), 4.1–10 µg/kg (11 sa), 10.1–20 µg/kg (7 sa), 20.1–30 µg/kg (2 sa, with a maximum of 25.1 µg/kg), country: UK⁶³⁸, *from different countries
 incidence: 29/43* **, conc. range: 0.1–5 µg/kg (21 sa), 5.1–10 µg/kg (4 sa), 10.1–20 µg/kg (3 sa), 33.9 µg/kg (1 sa), country: Brazil⁸⁶⁵, *from worldwide, **black and white
 see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat),

flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Sunflower seeds may contain the following mycotoxins:

AFATOXIN B₁

incidence: 1/4*, conc.: 10.5 µg/kg, country: GDR¹⁷⁸, *moldy

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai,

bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olive, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, taharna (fermented cereal product), vegetables, wheat, wine

AFLATOXIN B₂

incidence: 1/4*, conc.: 0.5 µg/kg, country: GDR¹⁷⁸, *moldy

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (cilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, wheat, wine

AFLATOXIN G₁

incidence: 1/4*, conc.: 0.4 µg/kg, country: GDR¹⁷⁸, *moldy

see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn,

raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), wine

AFLATOXIN G₂

incidence: 1/4*, conc.: 0.03 µg/kg, country: GDR¹⁷⁸, *moldy

see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), cocoa, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, maize, maize dough, milk (human breast), nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), paste (soybean), popcorn, raisins, rice, sesame seeds, shoyu, soybeans, spices (cardamom), spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), turmeric, wine

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 7*/136, conc. range: 5–9.9 µg/kg (5 sa), 10–14.9 µg/kg (1 sa), 15–19.9 µg/kg (1 sa), country: Canada⁵⁹

see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (figs), peas, phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel),

spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), vegetables, wheat

AFATOXINS (TOTAL)

incidence: 1/1*, conc.: ≈ 2 $\mu\text{g/kg}$, country: Poland¹¹⁰, *imported?

see also beans, butter, figs, maize, nut cereals, nuts (almond), nuts (brazil), nuts (cashew), nuts ("chico-felix"), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), paste (fig)

ALTERNARIOL

incidence: 128/150*, conc. range: 50–676 $\mu\text{g/kg}$, $\emptyset$ conc.: 189 $\mu\text{g/kg}$, country: Argentina³³⁸, *ncac

incidence: 20/20*, conc. range: 250–980 $\mu\text{g/kg}$, $\emptyset$ conc.: 661 $\mu\text{g/kg}$, country: Argentina³³⁹, *ncac

incidence: 17/20*, conc. range: 60–800 $\mu\text{g/kg}$, $\emptyset$ conc.: 360 $\mu\text{g/kg}$, country: Argentina³³⁹, *ncac

incidence: 4/20*, conc. range: 800–1600 $\mu\text{g/kg}$, $\emptyset$ conc.: 1070 $\mu\text{g/kg}$, country: Argentina³³⁹, *ncac

incidence: 2/2, conc. range: 357–1840 $\mu\text{g/kg}$, $\emptyset$ conc.: 1098.5 $\mu\text{g/kg}$, country: Italy³⁴⁰

incidence: 37/50, conc. range: 35–792 $\mu\text{g/kg}$, $\emptyset$ conc.: 166 $\mu\text{g/kg}$, country: Argentina⁴⁸⁹

see also bran, fruits (apple), fruits (mandarin fruit), juice (apple, concentrate), olives, spices (pepper), tomatoes, wheat

ALTERNARIOL METHYL ETHER

incidence: 70/150*, conc. range: 30–836 $\mu\text{g/kg}$, $\emptyset$ conc.: 202 $\mu\text{g/kg}$, country: Argentina³³⁸, *ncac

incidence: 1/20*, conc.: 600 $\mu\text{g/kg}$, country: Argentina³³⁹, *ncac

incidence: 1/20*, conc.: 800 $\mu\text{g/kg}$, country: Argentina³³⁹, *ncac

incidence: 1/2, conc.: 129 $\mu\text{g/kg}$, country: Italy³⁴⁰

incidence: 31/50, conc. range: 90–630 $\mu\text{g/kg}$, $\emptyset$ conc.: 114 $\mu\text{g/kg}$, country: Argentina⁴⁸⁹

see also barley, bran, fruits (apple), fruits (mandarin fruit), fruits (melon), juice (apple,

concentrate), olives, ragi, sorghum, spices (pepper), tomatoes, wheat

HT-2 TOXIN

incidence: 2/5, conc.: 5 $\mu\text{g/kg}$, country: Germany⁵²⁰

see also barley, bran (oat), bran (wheat), bread, cereal (baby), cereals, cereals (breakfast), flakes (oat), flour (maize), flour (wheat), food, food (baby), germ (wheat), grits (maize), groats (oat), maize, noodles, nuts (hazelnut), oat products, oats, pumpkin seeds, pumpkin seeds, rye, spices (chilli powder), spices (curry), wheat

OCHRATOXIN A

incidence: 10/34, conc. range: ≤ 0.1 $\mu\text{g/kg}$, country: Germany⁵⁹²

incidence: 4/25, conc. range: 0.2–0.49 $\mu\text{g/kg}$ (2 sa), 1.5–9.99 $\mu\text{g/kg}$ (2 sa), country: Germany⁶²³

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, coppa, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk

(human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

TENUAZONIC ACID

incidence: 98/150*, conc. range: 2500–15,796 µg/kg, Ø conc.: 6459 µg/kg, country:

Argentina³³⁸, *ncac

incidence: 16/20*, conc. range: 3900–31,600 µg/kg, Ø conc.: 16,000 µg/kg, country:

Argentina³³⁹, *ncac

incidence: 13/20*, conc. range: 3600–15,800 µg/kg, Ø conc.: 8000 µg/kg, country:

Argentina³³⁹, *ncac

incidence: 9/20*, conc. range: 3120–6240 µg/kg, Ø conc.: 4500 µg/kg, country:

Argentina³³⁹, *ncac

see also bran, cassava, fruits (mandarin fruit), maize, olives, pulp (tomato), ragi, rice, sorghum, spices (pepper), tomato purée, tomatoes, wheat

T-2 TOXIN

incidence: 2/5, conc. range: 20–21 µg/kg,

country: Germany⁵²⁰

see also barley, beans, beer, bran (oat), bran (wheat), bread, cereals, cereals (breakfast), flakes (oat), flour, flour (maize), flour (wheat), food, grits (maize), maize, nuts

(hazelnut), nuts (peanut), oat products, oats, rice, rye, sorghum, spices (curry), spices (ginger), tandoori, wheat

ZEARALENONE

incidence: 2/5, conc. range: 2–4 µg/kg,

country: Germany⁵²⁰

see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), vegetables, wheat

Sweetcorn

see Maize

Sweet potatoes

see Tubers

Sweet wine

see Wine

Swine

see Pork

Syrup (apple) may contain the following mycotoxins:

PATULIN

incidence: 1/44, conc.: 30 µg/l, country:

Belgium⁷²²

see also apple cider, apple flavor, apples (stewed fruit), berries (blueberry), berries

(lingonberry), berries (mulberry), berries (raspberry), berries (strawberry), cassava, cheese, food (baby), fruit products, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (pear), fruits (plum), jam, jam (apple), juice, juice (apple), juice (apple-acerola), juice (apple, concentrate), juice (cherry), juice (currant), juice (fruit), juice (grape), juice (orange), juice (peach), juice (pear), must, pulp (plum), vinegar

Syrup (sorghum) may contain the following mycotoxins:

FUMONISIN B₁

incidence: 1/35, conc.: 120 µg/kg, country: USA⁶⁸¹

see also arepas, asparagus, barley, batter, beans, beer, bran (maize), bread, cake (rice), cereals, cereals (breakfast), chamomile, chips (maize), chips (tortilla), flakes (corn), flour (maize), food, food (baby), foodstuff, grits (maize), Incaparina, leaves, maize, maize fiber, maize muffin, maize products, maize silk, maize starch, masa, meal (maize), meal (sorghum), milk, muffin mix, nuts (peanut), pancake, popcorn, rapoko, rice, snacks, sorghum, soybeans, tea, tortillas, wheat

Table wine

see Wine

Taco

see Tortillas

Tandoori

see Spices (tandoori)

Tarhana (fermented cereal product) may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 4/31, conc. range: nc, country: Turkey²¹⁰

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa

hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olive, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, vegetables, wheat, wine

Tea may contain the following mycotoxins:

FUMONISIN B₁

incidence: 16/18* **, conc. range:

80–280 µg/kg, country: Portugal³¹⁰, *black, **imported?

see also arepas, asparagus, barley, batter, beans, beer, bran (maize), bread, cake (rice), cereals, cereals (breakfast), chamomile, chips (maize), chips (tortilla), flakes (corn), flour (maize), food, food (baby), foodstuff, grits (maize), Incaparina, leaves, maize, maize fiber, maize muffin, maize products, maize silk, maize starch, masa, meal (maize), meal (sorghum), milk, muffin mix, nuts (peanut), pancake, popcorn, rapoko, rice, snacks, sorghum, soybeans, syrup (sorghum), tortillas, wheat

OCHRATOXIN A

incidence: 2/5*, conc.: 0.13–0.44 µg/kg,
country: Germany³¹¹, *herbal for children
incidence: 19/23*, conc.: 0. 3–64.3 µg/kg,
country: Germany³¹¹, *herbal with special
indication
incidence: 1/32*, conc.: 1.33 µg/kg, country:
Germany⁵⁸¹, *green
incidence: 3/34*, conc. range: ≤1.78 µg/kg, Ø
conc.: 1.14 µg/kg, country: Germany⁵⁸¹, *herb
incidence: 13/31*, conc. range: ≤10.3 µg/kg,
Ø conc.: 2.78 µg/kg, country: Germany⁵⁸¹,
*children's herb

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquourice, liquourice root, liver (cow), liver

(duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wheat, wine

Teff may contain the following mycotoxins:

AFLATOXINS

incidence: 8/81*, conc. range: 9–20 µg/kg (8 sa), Ø conc.: 15.8 µg/kg, country: Ethiopia¹⁰⁷, *mixed
incidence: 9/81*, conc. range: 10–20 µg/kg (9 sa), 21–30 µg/kg (1 sa), Ø conc.: 16.4 µg/kg, country: Ethiopia¹⁰⁷, *red
incidence: 7/81*, conc. range: 9–20 µg/kg (7 sa), Ø conc.: 13.7 µg/kg, country: Ethiopia¹⁰⁷, *white
incidence: 23/81*, conc. range: 9–20 µg/kg (13 sa), 21–30 µg/kg (8 sa), 31–39 µg/kg (2 sa), Ø conc.: 20.7 µg/kg, country: Ethiopia¹⁰⁷, *maize
see also beans, candy (peanut), candy (pistachio), cassava, figs, flour (maize), grain mixtures, grains, maize, maize dough, maize products, melon seeds, millet, nuts, nuts

(almond), nuts (brazil), nuts (peanut), nuts (peanut butter), nuts (peanut mix), nuts (peanut products), nuts (pecan), nuts (pistachio), nuts (walnut), nuts and seeds, paste (peanut), paste (pipian), peas, rice, sauce (leaf), snacks, sorghum, spices, spices (chilli), spices (cumin), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper), spices (tandoori), tubers, wheat

Tiger Nut

see Nuts (tiger)

Tilsit cheese

see Cheese

Toast

see Bread

Tomato Juice

see Juice (tomato)

Tomato ketchup may contain the following mycotoxins:

OCHRATOXIN A

incidence: 18/57*, conc. range: $\leq 3.8 \mu\text{g/l}$,

country: Germany⁶³⁹, *and imported?

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice

(carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquourice, liquourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomatoes, turkey, vegetables, vinegar, wheat, wine

Tomato pulp

see Pulp (Tomato)

Tomato purée may contain the following mycotoxins:

CYCLOPIAZONIC ACID

incidence: 2/4, conc. range: 36–117 $\mu\text{g/kg}$, Ø

conc.: 76.5 $\mu\text{g/kg}$, country: Brazil³³²

see also cassava, cheese, maize, milk (cow), nuts (peanut), pulp (tomato)

TENUAZONIC ACID

incidence: 4/4, conc. range: 29–76 $\mu\text{g/kg}$, Ø

conc.: 53 $\mu\text{g/kg}$, country: Brazil³³²

see also bran, cassava, fruits (mandarin fruit), maize, olives, pulp (tomato), ragi, rice, sorghum, spices (pepper), sunflower seeds, tomatoes, wheat

Tomatoes may contain the following mycotoxins:

ALTENUENE

incidence: 4/19, conc. range:

<100–1100 µg/kg, country: USA³⁴⁴

see also barley, fruits (apple), maize, olives, ragi, rice, sorghum, wheat

ALTERNARIOL

incidence: 1/2, conc.: 1274 µg/kg, country: Italy³⁴⁰

incidence: 6/19, conc. range:

<100–5300 µg/kg, country: USA³⁴⁴

see also bran, fruits (apple), fruits (mandarin fruit), juice (apple, concentrate), olives, spices (pepper), sunflower seeds, wheat

ALTERNARIOL METHYL ETHER

incidence: 2/2, conc. range: 37–268 µg/kg, Ø conc.: 152.5 µg/kg, country: Italy³⁴⁰

incidence: 5/19, conc. range: <100–800 µg/kg, country: USA³⁴⁴

see also barley, bran, fruits (apple), fruits (mandarin fruit), fruits (melon), juice (apple, concentrate), olives, ragi, sorghum, spices (pepper), sunflower seeds, wheat

OCHRATOXIN A

incidence: 6/11*, conc. range: tr–1.44 µg/kg, country: Germany²⁸⁹, *moldy

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food

(infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquorice, liquorice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, turkey, vegetables, vinegar, wheat, wine

TENUAZONIC ACID

incidence: 2/2, conc. range: 24–7210 µg/kg, Ø conc.: 3617 µg/kg, country: Italy³⁴⁰

incidence: 73/146, conc. range:

400–69,700 µg/kg, country: USA³⁴¹

incidence: 73/142, conc. range:

400–70,000 µg/kg, country: USA³⁴³

incidence: 11/19, conc. range:

<100–139,000 µg/kg, country: USA³⁴⁴

see also bran, cassava, fruits (mandarin fruit), maize, olives, pulp (tomato), ragi, rice,

sorghum, spices (pepper), sunflower seeds, tomato purée, wheat

Tortilla chips

see Chips (tortilla)

Tortillas may contain the following mycotoxins:

FUMONISIN B₁

incidence: 7/7, conc. range: 210–1070 µg/kg, Ø conc.: 601 µg/kg, country: Mexico³⁶⁴

incidence: 1/1*, conc.: 230 µg/kg, country: USA³⁸⁴, *mix

incidence: 2/2*, conc. range: 13–19 µg/kg, Ø conc.: 16 µg/kg, country: Denmark³⁸⁵, *taco shells

incidence: 9/11*, conc. range: 24–612 µg/kg, Ø conc.: 227 µg/kg, country: Canada⁴⁰⁵, *dried

incidence: 46/48*, conc. range: 12–672 µg/kg, Ø conc.: 192.7 µg/kg, country: USA/Mexico⁴⁰⁹, *white

incidence: 4/4*, conc. range: 120–190 µg/kg, Ø conc.: 152.5 µg/kg, country: USA/Mexico⁴⁰⁹, *yellow

incidence: 1/2, conc.: 120 µg/kg, country: USA⁴¹⁰

incidence: ?/73*, conc. range: 400–11,600 µg/kg**, country: USA⁶⁶⁸, *from Guatemala, **dw

incidence: 2/4, conc. range: 112.9–175 µg/kg, Ø conc.: 144 µg/kg, country: USA⁸⁶⁹

see also arepas, asparagus, barley, batter, beans, beer, bran (maize), bread, cake (rice), cereals, cereals (breakfast), chamomile, chips (maize), chips (tortilla), flakes (corn), flour (maize), food, food (baby), foodstuff, grits (maize), Incaparina, leaves, maize, maize fiber, maize muffin, maize products, maize silk, maize starch, masa, meal (maize), meal (sorghum), milk, muffin mix, nuts (peanut), pancake, popcorn, rapoko, rice, snacks, sorghum, soybeans, syrup (sorghum), tea, wheat

FUMONISIN B₂

incidence: 6/7, conc. range: 50–180 µg/kg, Ø conc.: 88.3 µg/kg, country: Mexico³⁶⁴

incidence: 2/2*, conc. range: 7 µg/kg, Ø conc.: 7 µg/kg, country: Denmark³⁸⁵, *taco shells
incidence: 6/11*, conc. range: 26–218 µg/kg, Ø conc.: 73.5 µg/kg, country:

Canada⁴⁰⁵, *dried

incidence: 1/2, conc.: 30 µg/kg, country: USA⁴¹⁰

see also arepas, asparagus, barley, batter, beer, bran (maize), cereals, cereals (breakfast), chips (maize), chips (tortilla), flakes (corn), flour (maize), food (baby), foodstuff, grits (maize), Incaparina, maize, maize fiber, maize starch, masa, meal (maize), muffin mix, pancake, popcorn, rice, snacks, wheat

FUMONISIN B₁, HYDROLYZED (HBF₁)

incidence: 5/7, conc. range: 10–50 µg/kg, Ø conc.: 22 µg/kg, country: Mexico³⁶⁴

incidence: 44/48*, conc. range: 8–204 µg/kg, Ø conc.: 61.7 µg/kg, country:

USA/Mexico⁴⁰⁹, *white

incidence: 4/4*, conc. range: 16–103 µg/kg, Ø conc.: 66.3 µg/kg, country:

USA/Mexico⁴⁰⁹, *yellow

incidence: ?/73*, conc. range:

400–185,100 µg/kg**, country: USA⁶⁶⁸, *from Guatemala, **dw

see also chips (tortilla), maize, masa

FUMONISINS (B₁, B₂, B₃)

incidence: 6/20*, conc. range: 10–31 µg/kg, country: UK³⁸³, *includes tacos and enchiladas

see also bran (maize), cereals (breakfast), flour, flour (maize), germ (maize), grains, grits (maize), maize, maize-based thickeners, popcorn, snacks

FUMONISINS

incidence: 4?/5, conc. range: ≤800 µg/kg, country: USA³⁵⁷

see also beer, bread, cereal (infant), chips (tortilla), flakes (corn), flour (maize), grits (maize), maize, maize pops cereal, maize products, maize starch, maize (infant cream corn), meal (maize), muffin mix, pasta, popcorn, porridge, products, sorghum

Triticale may contain the following mycotoxins:

ERGOCORNINE

incidence: 2/2*, conc. range: 20–26 µg/kg, Ø
conc.: 23 µg/kg, country: Canada⁸⁰⁶, *mix
see also bread, flour (rye), flour (wheat),
pancake

ERGOCRISTINE

incidence: 2/2*, conc. range: 88–99 µg/kg, Ø
conc.: 93.5 µg/kg, country: Canada⁸⁰⁶, *mix
see also bread, flour (rye), flour (wheat),
pancake

ERGOMETRINE

incidence: 2/2*, conc. range: 15–16 µg/kg, Ø
conc.: 15.5 µg/kg, country: Canada⁸⁰⁶, *mix
see also bread, flour (rye), flour (wheat),
pancake

ERGOSINE

incidence: 2/2*, conc. range: 13–18 µg/kg, Ø
conc.: 15.5 µg/kg, country: Canada⁸⁰⁶, *mix
see also bread, flour (rye), flour (wheat),
pancake

ERGOTAMINE

incidence: 2/2*, conc. range: 41–53 µg/kg, Ø
conc.: 47 µg/kg, country: Canada⁸⁰⁶, *mix
see also bread, flour (rye), flour (wheat),
pancake

α-ERGOKRYPTINE

incidence: 2/2*, conc. range: 20–29 µg/kg, Ø
conc.: 24.5 µg/kg, country: Canada⁸⁰⁶, *mix
see also bread, flour (rye), flour (wheat),
pancake

MONILIFORMIN

incidence: 3/3* **, conc. range:
2400–5100 µg/kg, Ø conc.: 3533 µg/kg,
country: Poland⁴⁹³, *Fdk, **ncac
incidence: 1/1* **, conc.: 250 µg/kg, country:
Poland⁴⁹³, *hlk, **ncac
incidence: 3/3* ** ***, conc. range:
2600–15,700 µg/kg, Ø conc.: 8700 µg/kg,
country: UK⁵²⁴, *Fdk, **from Poland, ***ncac
see also barley, corn on the cob, flakes
(corn), flour (maize), foodstuff, grits
(maize),maize, maize-based thickeners, meal
(maize), oats, popcorn, rye, snacks, wheat

Tubers may contain the following
mycotoxins:

AFLATOXINS

incidence: 6/59*, conc. range:
>30–≤440 µg/kg, country: Philippines³²,
*ubi, gabi, tugi, singkamas, sweet potatoes
see also beans, candy (peanut), candy
(pistachio), cassava, figs, flour (maize), grain
mixtures, grains, maize, maize dough, maize
products, melon seeds, millet, nuts, nuts
(almond), nuts (brazil), nuts (peanut), nuts
(peanut butter), nuts (peanut mix), nuts
(peanut products), nuts (pecan), nuts
(pistachio), nuts (walnut), nuts and seeds,
paste (peanut), paste (pipian), peas, rice,
sauce (leaf), snacks, sorghum, spices, spices
(chilli), spices (cumin), spices (ginger), spices
(nutmeg), spices (paprika), spices (pepper),
spices (tandoori), teff, wheat

Tugi

see Tubers

Tulum cheese

see Cheese

Turkey may contain the following
mycotoxins:

OCHRATOXIN A

incidence: 10/17, conc. range: ≤0.11 µg/kg, Ø
conc.: 0.02 µg/kg, country: Denmark⁶²⁴
see also barley, beans, beef, beer, berries
(strawberry), biscuits, bran, bran (barley),
bran (oat), bran (wheat), bread, buckwheat,
butter, cake (cocoa), cereal products, cereals,
cereals (breakfast), cheese, chicken, chicken
muscle, chocolate, chocolate and chocolate
cream, cocoa beans, cocoa mass, cocoa
powder, coffee, coffee beans (green), coppa,
copra, crème puddings, currants, dates,
drink, drink (cocoa), drink (malt), drugs,
duck, extrudates, figs, fish, flakes (cereal),
flakes (corn), flakes (oat), flakes (wheat),
flour, flour (cassava), flour (maize), flour
(rye), flour (wheat), food, food (baby), food
(infant), fruits, fruits (apple), fruits (apricot),
fruits (cherry), fruits (peach), fruits (plum),
fruits (prune), germ (wheat), goose, grits,
grits (durum), grits (maize), groats (barley),

gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liqourice, liqourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, vegetables, vinegar, wheat, wine

Turkey liver

see Liver (turkey)

Turkish white cheese

see Cheese

Turmeric

see Spices (turmeric)

Ubi

see Tubers

Umqombothi

see Beer

Unripe spelt grain

see Grains

Utshwala

see Beer

Vegetables may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 3/12*, conc. range: 7–28 µg/kg, Ø conc.: 20 µg/kg, country: Egypt¹⁶², *dried see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olive, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks,

sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), wheat, wine

AFATOXINS (B₁, B₂, G₁, G₂)

incidence: 1/140*, max. conc.: 46 µg/kg, Ø conc.: 30 µg/kg, country: Thailand¹⁶³, *fresh incidence: 2/100*, conc. range: 2–20 µg/kg (2 sa), >20 µg/kg (1 sa), country: Uruguay⁷⁸⁷, *dried

see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (figs), peas, phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, wheat

OCHRATOXIN A

incidence: 6/7* **, conc. range: 245–7444 µg/kg, country: Tunisia⁶³⁴, *dried, **chickpea, bean, lentil

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa

powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquourice, liquourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vinegar, wheat, wine

ZEARALENONE

incidence: 1/99*, conc.: >200 µg/kg, country: Uruguay⁷⁸⁷, *dried

see also acha, amaranth, barley, beans, beefburger, beer, biscuits, bran (oat), bran (wheat), bread, cake/muffin mixes, cereal (baby), cereals, cereals (breakfast), cheese, crackers, flakes (corn), flour, flour (barley), flour (maize), flour (wheat), food, food (infant), foodstuff, fruits, germ (wheat), grits (maize), Job's-tears, maize, malt (barley), malt (maize), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), meat, meat (luncheon), milk, milk powder, nuts (almond), nuts (hazelnut), nuts (peanut), nuts (walnut), oats, oil, oil seeds, pig serum, popcorn, products, pumpkin seeds, rice, rye, sausages, sesame seeds, snacks, sorghum, soybeans, spice powder, spices (chilli), spices (chilli powder), spices (sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (pepper), sunflower seeds, wheat

Vermouth

see Wine

Vine fruit

see Currants as well as raisins as well as sultanas

Vinegar may contain the following mycotoxins:

OCHRATOXIN A

incidence: 1/18* **, conc.: <0.01 µg/l,

country: Germany⁶³⁹, *and imported?,

**apple and fruit

incidence: 19/38* **, conc. range: ≤1.9 µg/l,

country: Germany⁶³⁹, *and imported?, **wine

incidence: 24/29* **, conc. range: ≤4.35 µg/l,

country: Germany⁶³⁹, *and imported?,

**balsamico

incidence: 15/15*, conc. range: 0.008–0.252**

µg/l, country: France⁶⁴³, *and three

balsamico, **balsamico

see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate

cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquourice, liquourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, wheat, wine

PATULIN

incidence: 1/2, conc.: 14.2 µg/l, country: Taiwan⁷⁰⁷

see also apple cider, apple flavor, apples (stewed fruit), berries (blueberry), berries (lingonberry), berries (mulberry), berries (raspberry), berries (strawberry), cassava, cheese, food (baby), fruit products, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (pear), fruits (plum), jam, jam (apple), juice, juice (apple), juice (apple-acerola), juice (apple, concentrate), juice (cherry), juice (currant), juice (fruit), juice (grape), juice (orange), juice (peach), juice (pear), must, pulp (plum), syrup (apple)

Walnuts

see Nuts (walnut)

Wensleydale cheese

see Cheese

Wheat may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 125[?]/501, conc. range: 1–10 µg/kg (25 sa), >10–20 µg/kg (14 sa), >20–50 µg/kg (5 sa), >50–100 µg/kg (2 sa), >100–500 µg/kg (2 sa), >500–2000 µg/kg (2 sa), country:

Cuba⁴⁷

incidence: 1/26, conc.: 1387.5 µg/kg, country: Egypt¹⁴⁴

incidence: 18/579*, conc. range: ≤18 µg/kg, country: USSR¹⁹¹, *imported

incidence: 16/1100, conc. range: ≤2.8 µg/kg, country: USSR¹⁹¹

incidence: 17/79*, conc. range: 34–1240 µg/kg, country: India³⁹⁰, *ncac

incidence: 26/37, conc. range: 16–1348 µg/kg, country: India³⁹⁸

incidence: 19/50*, conc. range: 85–1248 µg/kg, country: India⁴⁷⁷, *ncac

incidence: 23/31* **, conc. range: 0.8–17 µg/kg, ∅ conc.: 4.54 µg/kg, country: USA⁷⁷⁰, *scabby, **ncac

see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas,

dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olive, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetable, wine

AFLATOXIN B₂

incidence: 1/26, conc.: 101.6 µg/kg, country: Egypt¹⁴⁴

see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram),

flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (cilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, sunflower seeds, wine

AFLATOXINS (B₁, B₂, G₁, G₂)

incidence: 29/123* **, conc. range: 2–20 µg/kg (28 sa), >20 µg/kg (1 sa), country: Uruguay⁷⁸⁷, *and by-products, **ncac

see also barley, beans, bread, cereals, cocoa beans, cowpeas, figs, fish/shrimp, flour (maize), food, fruits, grains, herbs and spices, lentils, maize, noodles, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil, oil seeds, paste (figs), peas, phane, poppadoms, rice, sago, sauce (peanut), sesame seeds, snacks, sorghum, spice powder, spices (chilli), spices (chilli pickle), spices (chilli powder), spices (coriander), spices (curry), spices (curry paste), spices (curry powder), spices (fennel), spices (fenugreek), spices (garlic pickle), spices (garlic / onions), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper, cayenne), sunflower seeds, vegetables

AFLATOXINS

incidence: 10/30*, conc. range: 15–263 µg/kg AFB₁, 10–107 µg/kg AFB₂, 12–95 µg/kg AFG₁, 22–90 µg/kg AFG₂, country: India⁷⁸⁴, *ncac incidence: 1/209*, conc.: tr, country: Saudi Arabia⁸⁴⁹, *ncac
see also beans, candy (peanut), candy (pistachio), cassava, figs, flour (maize), grain mixtures, grains, maize, maize dough, maize products, melon seeds, millet, nuts, nuts (almond), nuts (brazil), nuts (peanut), nuts (peanut butter), nuts (peanut mix), nuts (peanut products), nuts (pecan), nuts (pistachio), nuts (walnut), nuts and seeds, paste (peanut), paste (pipian), peas, rice, sauce (leaf), snacks, sorghum, spices, spices (chilli), spices (cumin), spices (ginger), spices (nutmeg), spices (paprika), spices (pepper), spices (tandoori), teff, tubers

ALTENUENE

incidence: 2/15, conc. range: ≤1480 µg/kg, country: Egypt²⁹¹
see also barley, fruits (apple), maize, olives, ragi, rice, sorghum, tomatoes

ALTERNARIOL

incidence: 4/15, conc. range: ≤2320 µg/kg, country: Egypt²⁹¹
incidence: 20/22* **, conc. range: 116–731 µg/kg, country: Japan³⁰⁹, *from China, **weather-damaged
see also bran, fruits (apple), fruits (mandarin fruit), juice (apple, concentrate), olives, spices (pepper), sunflower seeds, tomatoes

ALTERNARIOL METHYL ETHER

incidence: 2/15, conc. range: ≤1890 µg/kg, country: Egypt²⁹¹
incidence: 21/22* **, conc. range: 52–1426 µg/kg, country: Japan³⁰⁹, *from China, **weather-damaged
see also barley, bran, fruits (apple), fruits (mandarin fruit), fruits (melon), juice (apple, concentrate), olives, ragi, sorghum, spices (pepper), sunflower seeds, tomatoes

ALTERTOXIN-I

incidence: 2/15, conc. range: ≤1678 µg/kg, country: Egypt²⁹¹
see also fruits (apple), sorghum

BEAUVERICIN

incidence: 11/11* **, conc. range: tr, country: Finland⁴⁵⁹, *spring, **ncac
 incidence: 2/3* **, conc. range: tr, country: Finland⁴⁵⁹, *winter, **ncac
 incidence: 13/13* **, conc. range: 640–3500 µg/kg, Ø conc.: 2089 µg/kg, country: Finland⁴⁹⁶, *Fdk, **ncac
 see also barley, maize, oats

CITRININ

incidence: 11/11* **, conc. range: tr–4800 µg/kg, country: UK⁸⁰⁷, *moldy, **ncac
 incidence: 4/27*, conc. range: 10–420 µg/kg, Ø conc.: 133 µg/kg, country: Bulgaria⁸²⁸, *BEN area
 see also angkak (red mold rice), barley, cereals, cheese, food, food colorant, fruits (apple), maize, maize dough, meal (copra), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), oil seed rape, olives, rice, spices, spices (cardamom), spices (coriander), spices (cumin), spices (fennel), spices (pepper), spices (turmeric)

DEOXYNIVALENOL

incidence: 5/33, conc. range: ≤65 µg/kg, country: Canada²⁶
 incidence: 53/84*, conc. range: ≤202 µg/kg, Ø conc.: 64 µg/kg, country: Lithuania²⁰³, *ncac
 incidence: 28/46*, conc. range: tr–580 µg/kg, Ø conc.: 30 µg/kg, country: France²⁰⁴, *ncac
 incidence: 62/69*, conc. range: tr–650 µg/kg, Ø conc.: 80 µg/kg, country: France²⁰⁴, *ncac
 incidence: 24/27, conc. range: 5–100 µg/kg (22 sa), 100–500 µg/kg (2 sa), country: Finland²¹⁹
 incidence: 9/16, conc. range: ≤445 µg/kg, Ø conc.: 138 µg/kg, country: Germany²⁴⁴
 incidence: 7/17, conc. range: ≤128 µg/kg, Ø conc.: 65.9 µg/kg, country: Morocco²⁶⁷
 incidence: 21/25, conc. range: 9–193 µg/kg, Ø conc.: 83 µg/kg, country: China²⁸⁵
 incidence: 8/15, conc. range: 15–125 µg/kg, Ø conc.: 40 µg/kg, country: China²⁸⁵
 incidence: 32/44*, conc. range: 101–1000 µg/kg (26 sa), 1001–5000 µg/kg

(6 sa), country: Portugal³¹⁵, *and fruits for breakfast
 incidence: 24/25*, conc. range: ≤371 µg/kg, Ø conc.: 104 µg/kg, country: Poland³²⁴, *ncac
 incidence: 8/8, conc. range: 16–51,450 µg/kg, Ø conc.: 7043.8 µg/kg, country: China³⁴²
 incidence: 28/28*, conc. range: 150–8800 µg/kg, Ø conc.: 3030 µg/kg, country: USA³⁷³, *ncac
 incidence: 33/44*, conc. range: 200–30,000 µg/kg, Ø conc.: 3476 µg/kg, country: Argentina³⁸⁹, *ncac
 incidence: 524/1056*, conc. range: 30–2400 µg/kg, Ø conc.: 403.2 µg/kg, country: Argentina³⁹⁵, *ncac
 incidence: 1/12, conc.: 1900 µg/kg, country: USA⁴²⁴
 incidence: 5/40, conc. range: 103–287 µg/kg, country: Egypt⁴²⁷
 incidence: 1/4, conc.: 10–30 µg/kg, country: Germany⁴³²
 incidence: 1/17, conc.: 50 µg/kg, country: Poland⁴³⁹
 incidence: 32/40, conc. range: 300–4500 µg/kg, Ø conc.: 1060 µg/kg, country: Argentina⁴⁴⁰
 incidence: 104/150* **, conc. range: ≤11,660 µg/kg, Ø conc.: 1540 µg/kg, country: Germany⁴⁴¹, *cg, **ncac
 incidence: 25/46* **, conc. range: ≤4220 µg/kg, Ø conc.: 760 µg/kg, country: Germany⁴⁴¹, *og, **ncac
 incidence: 226/283*, conc. range: ≤5175 µg/kg, Ø conc.: 100 µg/kg, country: UK⁴⁴², *ncac
 incidence: 54/57* **, conc. range: 200–9000 µg/kg, Ø conc.: 3600 µg/kg, country: USA⁴⁴⁶, *winter, **ncac
 incidence: 21/81* **, conc. range: ≤9330 µg/kg, country: USA⁴⁴⁷, *winter and spring, **ncac
 incidence: 2/17*, conc. range: 90–280 µg/kg, Ø conc.: 185 µg/kg, country: Japan⁴⁴⁸, *ncac
 incidence: 39/78*, conc. range: ≤102 µg/kg, Ø conc.: 21 µg/kg, country: Poland⁴⁵², *ncac
 incidence: 37/40, conc. range: 8–356 µg/kg, Ø conc.: 81 µg/kg, country: Finland⁴⁵⁵
 incidence: 8/10*, conc. range: 10–68 µg/kg, Ø conc.: 35 µg/kg, country: Finland⁴⁵⁵, *from

Canada, Germany, Hungary, Saudi-Arabia, USA

incidence: 15/18*, conc. range: tr–4700 µg/kg, country: Japan⁴⁶¹, *ncac

incidence: 501/737*, conc. range:

30–450 µg/kg, country: Norway⁴⁶⁴, *ncac

incidence: 4/4*, conc. range: <30–1100 µg/kg, country: Norway⁴⁶⁵, *ncac

incidence: 24/169*, conc. range:

>20–350 µg/kg, Ø conc.: 53 µg/kg, country: Norway⁴⁶⁶, *for food and feed

incidence: 2/10*, conc. range: 18–95 µg/kg, Ø conc.: 56.5 µg/kg, country: Korea⁴⁶⁹, *for food and feed

incidence: 5/9*, conc. range: 6–173 µg/kg, country: Korea⁴⁷⁰, *husked, **ncac

incidence: 19/22* **, conc. range: 76–1654 µg/kg, Ø conc.: 452.8 µg/kg, country: The Netherlands⁴⁷⁴, *and from Canada, France, Germany, UK, **ncac

incidence: 7/15*, conc. range: 9–309 µg/kg, Ø conc.: 59 µg/kg, country: China⁴⁹⁷, *high EC area

incidence: ?/15*, conc. range: 7–36 µg/kg, Ø conc.: 18 µg/kg, country: China⁴⁹⁷, *low EC area

incidence: 5/5*, conc. range: 343–1051 µg/kg, Ø conc.: 514 µg/kg, country: China⁴⁹⁸, *high EC area

incidence: 5/5*, conc. range: 73–410 µg/kg, Ø conc.: 184 µg/kg, country: China⁴⁹⁸, *low EC area

incidence: 45/51* **, conc. range:

≤1200 µg/kg, Ø conc.: 420 µg/kg, country: Germany⁴⁹⁹, *cg, **ncac

incidence: 38/50* **, conc. range: ≤1000 µg/kg, Ø conc.: 486 µg/kg, country: Germany⁴⁹⁹, *eg, **ncac

incidence: 32/199, con. range: 20–400 µg/kg, country: UK⁵⁰⁴

incidence: 23/33*, conc. range:

20–1320 µg/kg, country: UK⁵⁰⁴, *from USA, Canada and different European countries

incidence: 11/11* **, conc. range:

15,900–39,600 µg/kg, Ø conc.: 28,900 µg/kg, country: Poland⁵¹², *Fdk, **ncac

incidence: 10/10* **, conc. range:

400–3600 µg/kg, Ø conc.: 1700 µg/kg, country: Poland⁵¹², *hllk, **ncac

incidence: 412/560*, conc. range:

10–5670 µg/kg, country: Canada⁵²¹, *soft winter

incidence: 86/258* **, conc. range:

10–1510 µg/kg, country: Canada⁵²¹, *soft spring, **ncac

incidence: 270/1493*, conc. range:

10–10,500 µg/kg, country: Canada⁵²¹, *hard

incidence: 145/1573* **, conc. range:

>100–7240 µg/kg, country: USA⁵²⁵, *hard red winter, **ncac

incidence: 9/13*, conc. range: 30–1280 µg/kg,

Ø conc.: 513 µg/kg, country: Japan⁵²⁸, *ncac

incidence: 32/53*, conc. range: 8–3193 µg/kg, Ø conc.: 349.5 µg/kg, country: Norway⁵²⁹, *ncac

incidence: 87/222*, Ø conc.: 488 µg/kg, country: Japan⁵³⁰, *ncac

incidence: 3/13* **, conc. range: 66–740 µg/kg, Ø conc.: 299 µg/kg, country: Japan⁵³², *and from Canada, USA, **ncac

incidence: 20/31* **, conc. range:

4–312 µg/kg, Ø conc.: 31 µg/kg, country: Japan⁵³³, *from UK, **ncac

incidence: 1/2* **, conc.: 26 µg/kg, country: Japan⁵³³, *from Scotland, **ncac

incidence: 18/18* **, conc. range:

704–6920 µg/kg, Ø conc.: 3812 µg/kg,

country: Japan⁵³⁴, *scabby, **ncac

incidence: 13/13* **, conc. range:

20–512 µg/kg, Ø conc.: 115 µg/kg, country: Japan⁵³⁶, *from The Netherlands, **ncac

incidence: 9/10*, conc. range: 25–3475 µg/kg, Ø conc.: 1257 µg/kg, country: Japan⁵³⁷, *from Canada

incidence: 3/20* **, Ø conc.: 15 µg/kg,

country: Japan⁵³⁸, *from Argentina, **ncac

incidence: 3/4* **, Ø conc.: 360 µg/kg,

country: Japan⁵³⁸, *from Poland, **ncac

incidence: 1/2* **, conc.: 211 µg/kg, country: Japan⁵³⁸, *from Bulgaria, **ncac

incidence: 4/4* **, Ø conc.: 4284 µg/kg,

country: Japan⁵³⁸, *from China, **ncac

incidence: 1/2* **, conc.: 86 µg/kg, country: Japan⁵³⁸, *from France, **ncac

incidence: 2/8* **, Ø conc.: 712 µg/kg,

country: Japan⁵³⁸, *from Germany, **ncac

incidence: 1/1* **, conc.: 9 µg/kg, country: Japan⁵³⁸, *from Greece, **ncac

incidence: 2/2* **, Ø conc.: 671 µg/kg,
country: Japan⁵³⁸, *from Hungary, **ncac
incidence: 1/12* **, conc.: 120 µg/kg,
country: Japan⁵³⁸, *from Italy, **ncac
incidence: 1/10* **, conc.: 61 µg/kg, country:
Japan⁵³⁸, *from Nepal, **ncac
incidence: 1/7* **, con.: 5 µg/kg, country:
Japan⁵³⁸, *from Yemen, **ncac
incidence: 8/8* **, conc. range: 90–450 µg/kg,
Ø conc.: 218 µg/kg, country: Canada⁵³⁹, *soft
white winter, **ncac
incidence: 3/3*, conc. range: 350–910 µg/kg,
Ø conc.: 553 µg/kg, country: Canada⁵⁴⁰,
*ncac
incidence: 1/6*, con.: 1200 µg/kg, country:
Argentina⁵⁴², *ncac
incidence: 41/276*, conc. range: ≤5500 µg/kg,
country: USA⁵⁴³, *hard red winter
incidence: 333/483* **, conc. range:
≤18,400 µg/kg, country: USA⁵⁴⁴, *includes
hard spring, hard winter, mixed, soft winter,
soft white, **ncac
incidence: 321/413* **, conc. range:
≤40,300 µg/kg, country: USA⁵⁴⁴, *includes
winter, spring, **ncac
incidence: 13/42*, conc. range: 7–309 µg/kg,
Ø conc.: 94.7 µg/kg, country: Poland⁵⁴⁸,
*ncac
incidence: 9/15* **, conc. range:
9–1285 µg/kg, Ø conc.: 335 µg/kg, country:
Poland⁵⁴⁸, *from different European
countries, **ncac
incidence: 7/10* **, conc. range:
37–340 µg/kg, Ø conc.: 175 µg/kg, country:
Germany⁵⁶², *and from Italy, USA and
unknown origin, **o
incidence: 2/2* **, conc. range: 36–370 µg/kg,
Ø conc.: 203 µg/kg, country: Germany⁵⁶²,
*and from Italy, USA and unknown origin,
**c
incidence: 94/140, conc. range: ≤1800 µg/kg,
Ø conc.: 180 µg/kg, country: Bulgaria⁵⁶⁴
incidence: 821/821* **, conc. range:
210–30,400 µg/kg, country: Italy⁵⁶⁶, *from
Poland, **ncac
incidence: 132/247, conc. range:
≤2650 µg/kg, country: USA⁵⁶⁹
incidence: 82/151*, conc. range:
5–1620 µg/kg, country: Japan⁵⁷¹, *ncac

incidence: 17/17*, conc. range:
29–11,700 µg/kg, Ø conc.: 1624 µg/kg,
country: Japan⁵⁷³, *ncac
incidence: 1/1* ** ***, con.: 1820 µg/kg,
country: Papua, New Guinea⁵⁷⁴, *from
Australia, **coarse ground, ***ncac
incidence: 6/27*, conc. range: 20–60 µg/kg, Ø
conc.: 35 µg/kg, country: Japan⁶¹⁰, *ncac
incidence: 105/105* **, conc. range:
<100 µg/kg (37 sa), 100–250 µg/kg (39 sa),
250–500 µg/kg (24 sa), 500–1000 µg/kg
(4 sa), 1020 µg/kg (1 sa), Ø conc.: 204 µg/kg,
country: Germany⁷⁶⁰, *o, **ncac
incidence: 2/4, conc. range: 5–50 µg/kg
(2 sa), country: Finland⁷⁶⁵
incidence: 1/18*, conc.: 400 µg/kg, country:
Brazil⁷⁶⁶, *and from Argentina, Uruguay
incidence: 4/20*, conc. range: 470–590 µg/kg,
Ø conc.: 550 µg/kg, country: Brazil⁷⁶⁷, *ncac
incidence: 31/33* **, conc. range:
120–5500 µg/kg, Ø conc.: 1897 µg/kg,
country: USA⁷⁷⁰, *scabby, **ncac
incidence: 10/11*, conc. range: ≤215 µg/kg,
country: France⁷⁷⁶, *cg
incidence: 6/11*, conc. range: ≤494 µg/kg,
country: France⁷⁷⁶, *og
incidence: 150/177, conc. range:
20–100 µg/kg (107 sa), 100–200 µg/kg
(25 sa), 200–300 µg/kg (7 sa), 300–400 µg/kg
(4 sa), 400–500 µg/kg (3 sa), 500–600 µg/kg
(1 sa), 600–700 µg/kg (1 sa), 900–1000 µg/kg
(2 sa, with a maximum of 1000 µg/kg),
country: Switzerland⁷⁷⁹
incidence: 28/28*, conc. range: 20–100 µg/kg
(17 sa), 100–200 µg/kg (4 sa), 400–500 µg/kg
(2 sa), >1000 µg/kg (5 sa, with a maximum
of 3100 µg/kg), country: Switzerland⁷⁷⁹,
*imported
incidence: 65/116* **, conc. range:
80–500 µg/kg (56 sa), 500–1000 µg/kg (5 sa),
>1000 µg/kg (4 sa), country: Uruguay⁷⁸⁷,
*and by-products, **ncac
incidence: 1/58, conc.: 310 µg/kg, country:
India⁷⁸⁸
incidence: 4/10*, conc. range: 110–950 µg/kg,
Ø conc.: 378 µg/kg, country: Poland⁷⁹³, *ncac
incidence: ?/39*, conc. range: 10,500 µg/kg,
country: Iran⁸⁷¹, *ncac

see also acha, barley, batter, beans, beer, biscuits, bran (oat), bran (wheat), bread, cake, cereal (baby), cereals, cereals (breakfast), chips (maize), crackers, croissant, figazzas, flakes (corn), flakes (oat), flakes (wheat), flour, flour (barley), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), germ (wheat), grains, grits (barley), grits (maize), grits (wheat), groats (oat), Job's-tears, knäckebröd, libritos, maize, malt (barley), malt (wheat), meal (barley), meal (maize), meal (millet), meal (rye), meal (wheat), millet, muesli, noodles, oat products, oats, pancake, popcorn, rice, rye, snacks, sorghum, soybeans, spices (chilli powder), spices (coriander), spices (garlic), spices (ginger)

ACETYLDEOXYNIVALENOL

incidence: 12/25*, conc. range: ≤ 38 µg/kg, Ø conc.: 16 µg/kg, country: Poland³²⁴, *ncac
see also flour (wheat)

3-ACETYLDEOXYNIVALENOL

incidence: 1/27, conc. range: 5–100 µg/kg (1 sa), country: Finland²¹⁹
incidence: 1/8, conc.: 2544 µg/kg, country: China³⁴²
incidence: 22/933*, Ø conc.: 596.12 µg/kg, country: Argentina³⁹⁵, *ncac
incidence: 9/40, conc. range: 12–67 µg/kg, Ø conc.: 31 µg/kg, country: Finland⁴⁵⁵
incidence: 5/5*, conc. range: 15–731 µg/kg, Ø conc.: 363 µg/kg, country: China⁴⁹⁸, *high EC area
incidence: 9/11* **, conc. range: 300–3000 µg/kg, Ø conc.: 1420 µg/kg, country: Poland⁵¹², *Fdk, **ncac
incidence: 3/140, conc. range: ≤ 104 µg/kg, Ø conc.: 70 µg/kg, country: Bulgaria⁵⁶⁴
incidence: 657/821* **, conc. range: 540–29,540 µg/kg, country: Italy⁵⁶⁶, *from Poland, **ncac
incidence: 10/17*, conc. range: tr–920 µg/kg, country: Japan⁵⁷³, *ncac
incidence: 1/11*, conc.: 17 µg/kg, country: France⁷⁷⁶, *og

see also barley, bread, cereals, cereals (breakfast), flakes (oat), flour (maize), flour (wheat), food, food (baby), grits (maize), maize, oat products, oats, rice, rye, snacks

15-ACETYLDEOXYNIVALENOL

incidence: 2/283*, conc. range: 14–22 µg/kg, Ø conc.: 18 µg/kg, country: UK⁴⁴², *ncac
incidence: 1/13*, conc.: 130 µg/kg, country: Japan⁵²⁸, *ncac
incidence: 1/140, conc.: 99 µg/kg, country: Bulgaria⁵⁶⁴
incidence: 2/17*, conc. range: tr–10 µg/kg, country: Japan⁵⁷³, *ncac
see also barley, bran (oat), bran (wheat), cereals (breakfast), flour (maize), flour (wheat), food, grits (maize), maize, noodles, oat products, oats, snacks

ENNIATIN A

incidence: 6/11* **, conc. range: tr–490 µg/kg, country: Finland⁴⁵⁹, *spring, **ncac
see also barley

ENNIATIN A₁

incidence: 11/11* **, conc. range: tr–940 µg/kg, country: Finland⁴⁵⁹, *spring, **ncac
incidence: 1/3* **, conc.: 6 µg/kg, country: Finland⁴⁵⁹, *winter, **ncac
incidence: 10/13* **, conc. range: tr–6900 µg/kg, country: Finland⁴⁹⁶, *Fdk, **ncac
see also barley, oats, rye

ENNIATIN B

incidence: 11/11*, conc. range: tr–18,300 µg/kg, country: Finland⁴⁵⁹, *spring, **ncac
incidence: 3/3* **, conc. range: tr–170 µg/kg, country: Finland⁴⁵⁹, *winter, **ncac
incidence: 12/13* **, conc. range: tr–4800 µg/kg, country: Finland⁴⁹⁶, *Fdk, **ncac
see also barley, oats, rye

ENNIATIN B₁

incidence: 11/11*, conc. range: tr–5100 µg/kg, country: Finland⁴⁵⁹, *spring, **ncac

incidence: 3/3* **, conc. range: tr–39 µg/kg, country: Finland⁴⁵⁹, *winter, **ncac
 incidence: 8/13* **, conc. range: tr–1900 µg/kg, country: Finland⁴⁹⁶, *Fdk, **ncac
 see also barley, oats, rye

ERGOT ALKALOIDS

incidence: 10/26* **, conc. range: 150–450 µg/kg (9 sa), 450–750 µg/kg (1 sa), country: Uruguay⁷⁸⁷, *and by-products, **ncac
 see also food (infant)

FUMONISIN B₁

incidence: 8/17*, conc. range: 200–8800 µg/kg, Ø conc.: 2900 µg/kg, country: Spain³⁵⁵, *ncac
 incidence: 5/5, conc. range: 2500–6000 µg/kg, Ø conc.: 4200 µg/kg, country: Zimbabwe³⁶⁵
 see also arepas, asparagus, barley, batter, beans, beer, bran (maize), bread, cake (rice), cereals, cereals (breakfast), chamomile, chips (maize), chips (tortilla), flakes (corn), flour (maize), food, food (baby), foodstuff, grits (maize), Incaparina, leaves, maize, maize fiber, maize muffin, maize products, maize silk, maize starch, masa, meal (maize), meal (sorghum), milk, muffin mix, nuts (peanut), pancake, popcorn, rapoko, rice, snacks, sorghum, soybeans, syrup (sorghum), tea, tortillas

FUMONISIN B₂

incidence: 1/17*, conc.: 200 µg/kg, country: Spain³⁵⁵, *ncac
 see also arepas, asparagus, barley, batter, beer, bran (maize), cereals, cereals (breakfast), chips (maize), chips (tortilla), flakes (corn), flour (maize), food (baby), foodstuff, grits (maize), Incaparina, maize, maize fiber, maize starch, masa, meal (maize), muffin mix, pancake, popcorn, rice, snacks, tortillas

HT-2 TOXIN

incidence: 20/84*, conc. range: ≤110 µg/kg, Ø conc.: 34 µg/kg, country: Lithuania²⁰³, *ncac
 incidence: 82/283*, conc. range: ≤193 µg/kg, Ø conc.: 25 µg/kg, country: UK⁴⁴², *ncac

incidence: 2/169*, conc. range: 20 µg/kg, Ø conc.: 20 µg/kg, country: Norway⁴⁶⁶, *for food and feed

incidence: 24/45* **, conc. range: 60–520 µg/kg, country: Canada⁵²¹, *durum, **ncac

incidence: 1/17* **, conc.: 100 µg/kg, country: Canada⁵²¹, *soft winter, **ncac
 incidence: 2/108* **, conc. range: 200–310 µg/kg, Ø conc.: 255 µg/kg, country: Canada⁵²¹, *western hard, **ncac
 incidence: 1/11*, conc.: 456 µg/kg, country: France⁷⁷⁶, *og

see also barley, bran (oat), bran (wheat), bread, cereal (baby), cereals, cereals (breakfast), flakes (oat), flour (maize), flour (wheat), food, food (baby), germ (wheat), grits (maize), groats (oat), maize, noodles, nuts (hazelnut), oat products, oats, pumpkin seeds, rye, spices (chilli powder), spices (curry), sunflower seeds

MONILIFORMIN

incidence: 7/25*, conc. range: ≤198 µg/kg, Ø conc.: 63 µg/kg, country: Poland³²⁴, *ncac
 incidence: 48/78*, conc. range: ≤495 µg/kg, Ø conc.: 182 µg/kg, country: Poland⁴⁵², *ncac
 incidence: 3/4* **, conc. range: 58–810 µg/kg, Ø conc.: 372.7 µg/kg, country: Finland⁴⁵⁸, *spring, **ncac
 incidence: 1/3* **, conc.: <20 µg/kg, country: Finland⁴⁵⁸, *winter, **ncac
 incidence: 9/11*, conc. range: tr–810 µg/kg, country: Finland⁴⁵⁹, *spring, **ncac
 incidence: 5/5* **, conc. range: 7200–25,200 µg/kg, Ø conc.: 15,900 µg/kg, country: Poland⁴⁹³, *Fdk, **ncac
 incidence: 5/5* **, conc. range: 250–700 µg/kg, Ø conc.: 420 µg/kg, country: Poland⁴⁹³, *hlk, **ncac
 incidence: 6/6* ** ***, conc. range: 500–17,100 µg/kg, Ø conc.: 8660 µg/kg, country: UK⁵²⁴, *Fdk, **from Poland, ***ncac
 incidence: 63/83*, conc. range: tr–950 µg/kg, country: Norway⁵⁵⁰, *ncac
 incidence: 4/10*, conc. range: 2.5–200 µg/kg, Ø conc.: 128 µg/kg, country: Poland⁷⁹³, *ncac
 see also barley, corn on the cob, flakes (corn), flour (maize), foodstuff, grits

(maize), maize, maize-based thickeners, meal (maize), oats, popcorn, rye, snacks, triticale

NEOSOLANOL

incidence: 27/35*, conc. range: 144.6–853.7 µg/kg, Ø conc.: 476 µg/kg, country: Iran⁵⁷⁰, *ncac
see also cereals (breakfast), maize, oat products, sorghum, spices (curry), spices (ginger)

NIVALENOL

incidence: 9/25, conc. range: 13–50 µg/kg, Ø conc.: 29 µg/kg, country: China²⁸⁵
incidence: 3/15, conc. range: 4–22 µg/kg, Ø conc.: 12 µg/kg, country: China²⁸⁵
incidence: 19/25*, conc. range: ≤453 µg/kg, Ø conc.: 97 µg/kg, country: Poland³²⁴, *ncac
incidence: 8/8, conc. range: 10–6935 µg/kg, Ø conc.: 907.8 µg/kg, country: China³⁴²
incidence: 2/17, conc. range: 100 µg/kg, Ø conc.: 100 µg/kg, country: Poland⁴³⁹
incidence: 226/283*, conc. range: ≤428 µg/kg, Ø conc.: 42 µg/kg, country: UK⁴⁴², *ncac
incidence: 4/17*, conc. range: 20–580 µg/kg, country: Japan⁴⁴⁸, *ncac
incidence: 23/78*, conc. range: ≤99 µg/kg, Ø conc.: 34 µg/kg, country: Poland⁴⁵², *ncac
incidence: 15/18*, conc. range: tr–7800 µg/kg, country: Japan⁴⁶¹, *ncac
incidence: 9/10*, conc. range: 28–632 µg/kg, Ø conc.: 149.9 µg/kg, country: Korea⁴⁶⁹, *for food and feed
incidence: 9/9* **, conc. range: 82–3169 µg/kg, Ø conc.: 535 µg/kg, country: Korea⁴⁷⁰, *husked, **ncac
incidence: 7/15*, conc. range: 13–216 µg/kg, Ø conc.: 15 µg/kg, country: China⁴⁹⁷, *low EC area
incidence: 5/5*, conc. range: 17–373 µg/kg, Ø conc.: 183 µg/kg, country: China⁴⁹⁸, *high EC area
incidence: 3/5*, conc. range: 8–13 µg/kg, Ø conc.: 10 µg/kg, country: China⁴⁹⁸, *low EC area
incidence: 9/41* **, conc. range: 90–740 µg/kg, country: Canada⁵²¹, *durum, Nova Scotia, Quebec hard, **ncac
incidence: 2/13*, conc. range: 40–1220 µg/kg, Ø conc.: 630 µg/kg, country: Japan⁵²⁸, *ncac

incidence: 53/53*, conc. range: 15–887 µg/kg, Ø conc.: 59.2 µg/kg, country: Norway⁵²⁹, *ncac

incidence: 111/222*, Ø conc.: 127 µg/kg, country: Japan⁵³⁰, *ncac
incidence: 2/13* **, conc. range: 260–1630 µg/kg, Ø conc.: 945 µg/kg, country: Japan⁵³², *and from Canada, USA, **ncac
incidence: 17/31* **, conc. range: 4–670 µg/kg, Ø conc.: 101 µg/kg, country: Japan⁵³³, *from UK, **ncac
incidence: 7/18* **, conc. range: 47–328 µg/kg, Ø conc.: 205 µg/kg, country: Japan⁵³⁴, *scabby, **ncac
incidence: 12/13* **, conc. range: 7–203 µg/kg, Ø conc.: 38 µg/kg, country: Japan⁵³⁶, *from The Netherlands, **ncac
incidence: 4/10*, conc. range: 4–40 µg/kg, Ø conc.: 23 µg/kg, country: Japan⁵³⁷, *from Canada
incidence: 3/4* **, Ø conc.: 25 µg/kg, country: Japan⁵³⁸, *from Poland, **ncac
incidence: 1/2* **, conc.: 32 µg/kg, country: Japan⁵³⁸, *from Bulgaria, **ncac
incidence: 3/4* **, Ø conc.: 162 µg/kg, country: Japan⁵³⁸, *from China, **ncac
incidence: 2/2* **, Ø conc.: 42 µg/kg, country: Japan⁵³⁸, *from France, **ncac
incidence: 2/8* **, Ø conc.: 274 µg/kg, country: Japan⁵³⁸, *from Germany, **ncac
incidence: 1/1* **, conc.: 2 µg/kg, country: Japan⁵³⁸, *from Greece, **ncac
incidence: 1/2* **, conc.: 4 µg/kg, country: Japan⁵³⁸, *from Hungary, **ncac
incidence: 5/10* **, Ø conc.: 70 µg/kg, country: Japan⁵³⁸, *from Nepal, **ncac
incidence: 37/42*, conc. range: 3–350 µg/kg, Ø conc.: 47.9 µg/kg, country: Poland⁵⁴⁸, *ncac
incidence: 9/15* **, conc. range: 2–60 µg/kg, Ø conc.: 23 µg/kg, country: Poland⁵⁴⁸, *from different European countries, **ncac
incidence: 34/35*, conc. range: 49.1–1119.1 µg/kg, Ø conc.: 577 µg/kg, country: Iran⁵⁷⁰, *ncac
incidence: 100/151*, conc. range: 5–4390 µg/kg, country: Japan⁵⁷¹, *ncac

incidence: 17/17*, conc. range:

10–4390 µg/kg, Ø conc.: 669 µg/kg, country: Japan⁵⁷³, *ncac

incidence: 14/27*, conc. range: 20–120 µg/kg,

Ø conc.: 52.9 µg/kg, country: Japan⁶¹⁰, *ncac

incidence: 2/20*, conc. range: 160–400 µg/kg,

Ø conc.: 253 µg/kg, country: Brazil⁷⁶⁷, *ncac

incidence: 10/11*, conc. range: ≤98 µg/kg,

country: France⁷⁷⁶, *og

incidence: 5/10*, conc. range: 15–1280 µg/kg,

Ø conc.: 332 µg/kg, country: Poland⁷⁹³, *ncac

incidence: 8/12*, conc. range: 6–35.3 µg/kg,

Ø conc.: 16.3 µg/kg, country: Japan⁸⁴³,

*imported

see also barley, beer, biscuits, bran (wheat),

bread, cake, cereal (baby), cereals, cereals

(breakfast), flour, flour (barley), flour

(maize), flour (rye), flour (wheat), food,

germ (wheat), grits (maize), grits (wheat),

Job's-tears, maize, malt (barley), meal

(millet), millet, noodles, oat products, oats,

rice, rye, snacks, sorghum, soybeans, spices

(chilli sauce), spices (curry), spices (curry

paste), spices (curry powder), spices (garlic),

spices (ginger), spices (tandoori)

4-ACETYLNIVALENOL

incidence: 3/13*, conc. range: 20 µg/kg, Ø

conc.: 20 µg/kg, country: Japan⁵²⁸, *ncac

incidence: 1/17*, conc.: tr, country: Japan⁵⁷³,

*ncac

see also barley, maize

OCHRATOXIN A

incidence: 188/405*, conc. range: ≤32 µg/kg,

Ø conc.: 0.3 µg/kg**, country: Denmark²⁶⁵,

*cg, **arithmetic mean

incidence: 8/14*, conc. range: ≤1.6 µg/kg, Ø

conc.: 0.3 µg/kg**, country: Denmark²⁶⁵, *og,

**arithmetic mean

incidence: 2/17, conc. range: ≤30.6 µg/kg, Ø

conc.: 29.4 µg/kg**, country: Morocco²⁶⁷

incidence: 8/64*, conc. range:

0.1–137.3 µg/kg, Ø conc.: 17.9 µg/kg,

country: Germany⁵⁷⁷, *ncac

incidence: 3/39* **, conc. range:

0.48–1.2 µg/kg, Ø conc.: 0.83 µg/kg**,

country: Poland⁵⁸⁷, *o, **ncac

incidence: 18/37* **, conc. range:

0.6–1024 µg/kg, Ø conc.: 267 µg/kg**,

country: Poland⁵⁸⁸, *c, **ncac

incidence: 8/34* **, conc. range:

0.8–1.6 µg/kg, Ø conc.: 1.17 µg/kg**,

country: Poland⁵⁸⁸, *o, **ncac

incidence: 3/36, conc. range: 0.12–0.5 µg/kg,

Ø conc.: 0.29 µg/kg, country: Hungary⁵⁹³

incidence: 18/25*, conc. range: 1–5 µg/kg

(9 sa), 5–20 µg/kg (6 sa), >20 µg/kg (3 sa),

country: Czechoslovakia⁵⁹⁵, *ncac

incidence: 283/402*, conc. range:

0.05–4.9 µg/kg (110 sa), 5–25 µg/kg (6 sa),

>25 µg/kg (3 sa, with a maximum of

51 µg/kg), Ø conc.: 0.7 µg/kg**, country:

Denmark⁶²⁵, *cg, **arithmetic mean

incidence: 29/73*, conc. range:

0.05–4.9 µg/kg (25 sa), 5–25 µg/kg (3 sa),

36 µg/kg (1 sa), Ø conc.: 1.2 µg/kg**,

country: Denmark⁶²⁵, *eg, **arithmetic mean

incidence: 17/45* **, conc. range:

0.05–4.9 µg/kg (16 sa), 13 µg/kg (1 sa), Ø

conc.: 0.9 µg/kg***, country: Denmark⁶²⁵,

*imported, **cg, **arithmetic mean

incidence: 3/40, conc. range: 12–55 µg/kg, Ø

conc.: 34.3 µg/kg, country: Yugoslavia⁶²⁹

incidence: 43/44*, conc. range:

0.1–11,064 µg/kg, country: Tunisia⁶³⁴, *and

derived food

incidence: 6/8*, conc. range: 1–5 µg/kg (2 sa,

with a maximum of 2 µg/kg), country: UK⁶³⁶,

*and from different countries?

incidence: 8/57*, conc. range: ≤1.7 µg/kg, Ø

conc.: 0.6 µg/kg, country: UK⁶³⁷, *used for

bread production

incidence: 2/13*, conc. range: ≤6.3 µg/kg, Ø

conc.: 3.2 µg/kg, country: UK⁶³⁷, *used for

biscuit production

incidence: 1/14*, conc.: 0.5 µg/kg, country:

UK⁶³⁷, *ncac

incidence: 3/97, conc. range: 0.4–15.4 µg/kg,

country: Germany⁶⁴⁰

incidence: 74/92*, conc. range:

0.02–160 µg/kg, country: Croatia⁶⁵⁵, *ncac

incidence: 2/24, conc. range: 30–50 µg/kg, Ø

conc.: 40 µg/kg, country: India⁶⁵⁶

incidence: 1/1*, conc.: 13.7 µg/kg, country:

UK⁶⁶¹, *ncac

incidence: 2/34*, conc. range: 188–430 µg/kg, Ø conc.: 309 µg/kg, country: Italy⁶⁶⁵, *ncac
 incidence: 56/383, conc. range: 0.03–0.1 µg/kg (8 sa), 0.2–1 µg/kg (26 sa), 1.1–2 µg/kg (11 sa), 2.1–2.9 µg/kg (3 sa), 3.1–4 µg/kg (2 sa), 4.7 µg/kg (2 sa), 5.6–31.4 µg/kg (4 sa), Ø conc.: 2 µg/kg, country: USA⁶⁸⁵
 incidence: 14/35, conc. range: ≤0.65 µg/kg, Ø conc.: 0.109 µg/kg, country: Germany⁶⁹⁰
 incidence: 2/17*, conc. range: ≤0.1 µg/kg, Ø conc.: 0.069 µg/kg, country: Germany⁶⁹⁰, *unripe spelt
 incidence: 2/538*, conc. range: 15 µg/kg, Ø conc.: 15 µg/kg, country: UK⁷²⁹, *ncac
 incidence: 22/250, conc. range: 1–5 µg/kg (15 sa), 5–10 µg/kg (3 sa), >10 µg/kg (4 sa, with a maximum of 32 µg/kg), country: UK⁷³³
 incidence: 9/43* **, conc. range: 0.6–0.8 µg/kg Ø conc.: 0.6 µg/kg, country: Germany⁷⁶⁰, *o, **ncac
 incidence: 15/101*, conc. range: ≤2700 µg/kg, country: UK⁷⁶¹, *ncac
 incidence: 1/18*, conc.: 40 µg/kg, country: Brazil⁷⁶⁶, *and from Argentina, Uruguay
 incidence: 1/177, conc.: 0.7 µg/kg, country: Switzerland⁷⁷⁹
 incidence: 15/28*, conc. range: 0.1–2 µg/kg (12 sa), >2 µg/kg (3 sa, with a maximum of 10 µg/kg), country: Switzerland⁷⁷⁹, *imported
 incidence: 1/30*, conc.: pr, country: India⁷⁸⁴, *ncac
 incidence: 6/10*, conc. range: 0.5–4 µg/kg, Ø conc.: 1.43 µg/kg, country: Poland⁷⁹³, *ncac
 incidence: 9/11* **, conc. range: <50–3500 µg/kg, Ø conc.: 962 µg/kg, country: UK⁸⁰⁷, *moldy, **ncac
 incidence: 3/291* **, conc. range: tr–35 µg/kg, country: USA⁸¹⁰, *hard red winter, **ncac
 incidence: 8/286* **, conc. range: 15–115 µg/kg, country: USA⁸¹⁰, *hard red spring, **ncac
 incidence: 4/27*, conc. range: 0.98–31 µg/kg, country: Bulgaria⁸²⁸, *BEN area
 incidence: 1/10*, conc.: 1.3 µg/kg, country: Bulgaria⁸²⁸, *con
 incidence: 34/115, conc. range: 0.2–2.5 µg/kg, Ø conc.: 0.66 µg/kg, country: UK⁸⁴⁰

incidence: 1/209*, conc.: 1.8 µg/kg, country: Saudi Arabia⁸⁴⁹, *ncac
 incidence: 8/20, conc. range: ≤1.73 µg/kg, Ø conc.: 0.42 µg/kg, country: Morocco⁸⁶⁶
 see also barley, beans, beef, beer, berries (strawberry), biscuits, bran, bran (barley), bran (oat), bran (wheat), bread, buckwheat, butter, cake (cocoa), cereal products, cereals, cereals (breakfast), cheese, chicken, chicken muscle, chocolate, chocolate and chocolate cream, cocoa beans, cocoa mass, cocoa powder, coffee, coffee beans (green), coppa, copra, crème puddings, currants, dates, drink, drink (cocoa), drink (malt), drugs, duck, extrudates, figs, fish, flakes (cereal), flakes (corn), flakes (oat), flakes (wheat), flour, flour (cassava), flour (maize), flour (rye), flour (wheat), food, food (baby), food (infant), fruits, fruits (apple), fruits (apricot), fruits (cherry), fruits (peach), fruits (plum), fruits (prune), germ (wheat), goose, grits, grits (durum), grits (maize), groats (barley), gruel, gruel (oat), ham, jam, joints, juice (carrot), juice (currant), juice (fruit), juice (grape), juice (tomato), kidney (pig), kidney (poultry), knäckebröd, lentils, linseeds, liquourice, liquourice root, liver (cow), liver (duck), liver (goose), liver (pig), liver (turkey), maize, maize dough, malt, malt (barley), meal (buckwheat), meal (cereal), meal (maize), meal (rye), meal (spelt), meal (wheat), meat and fish, milk (cow), milk (human breast), millet, muesli, must, noodles, nut slice, nuts, nuts (almond), nuts (cashew), nuts (coconut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (pistachio), nuts (walnut), oats, oil (olive), oil (sesame), olives, pasta, pastries, peas, pig blood, pig muscle, pig serum, pig (black pudding), plant commodities, popcorn, pork, pork pate, potatoes, products, pulp (grape), pulses, pumpernickel, ragi, raisins, rice, rolls, rusk, rye, sandwich, sauce, sausages, sesame seeds, snacks, sorghum, soybeans, spelt, spice powder, spices (cardamom), spices (chilli), spices (chilli pickle), spices (chilli powder), spices (chilli sauce), spices (coriander), spices (curry), spices (curry paste), spices (curry

powder), spices (fennel), spices (garlic pickle), spices (ginger), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (tandoori), spices (turmeric), sultanas, sunflower seeds, tea, tomato ketchup, tomatoes, turkey, vegetables, vinegar, wine

RUBRATOXIN

incidence: 1/30*, conc.: 245 µg/kg, country: India⁷⁸⁴, *ncac
see also nuts (almond), nuts (walnut), spices (turmeric)

DIACETOXYSCIRPENOL

incidence: 1/18*, conc.: 30 µg/kg, country: Brazil⁷⁶⁶, *and from Argentina, Uruguay
incidence: 1/20*, conc.: 600 µg/kg, country: Brazil⁷⁶⁶, *ncac
see also beans, beer, bran (wheat), cereals, maize, nuts (peanut), oats, products, rice, soybeans, spices (chilli powder), spices (curry)

STERIGMATOCYSTIN

incidence: 2/30*, conc. range: 110–145 µg/kg, Ø conc.: 128 µg/kg, country: India⁷⁸⁴, *ncac
incidence: 7/11* **, conc. range: tr–400 µg/kg, country: UK⁸⁰⁷, *moldy, **ncac
see also barley, cassava, cheese, coffee, maize, nuts (almond), nuts (pecan), nuts (pistachio), oil seed rape, rice, spices, spices (fennel), spices (pepper)

TENUAZONIC ACID

incidence: 5/15, conc. range: ≤658 µg/kg, country: Egypt²⁹¹
incidence: 22/22* **, conc. range: 260–6432 µg/kg, Ø conc.: 2419 µg/kg, country: Japan³⁰⁹, *from China, **weather-damaged
see also bran, cassava, fruits (mandarin fruit), maize, olives, pulp (tomato), ragi, rice, sorghum, spices (pepper), sunflower seeds, tomato purée, tomatoes

TRICHOTHECENES

incidence: 23/25, conc. range: 15–218 µg/kg, Ø conc.: 87 µg/kg, country: China²⁸⁵
incidence: 9/15, conc. range: 15–125 µg/kg, Ø conc.: 40 µg/kg, country: China²⁸⁵

T-2 TOXIN

incidence: 8/84*, conc. range: ≤58 µg/kg, Ø conc.: 33 µg/kg, country: Lithuania²⁰³, *ncac
incidence: 1/40, conc.: 2.5 µg/kg, country: Egypt⁴²⁷
incidence: 3/17, conc. range: 2000–4000 µg/kg, country: India⁴³⁰
incidence: 6/283*, conc. range: ≤21 µg/kg, Ø conc.: 16 µg/kg, country: UK⁴⁴², *ncac
incidence: 1/169*, conc.: 20 µg/kg, country: Norway⁴⁶⁶, *for food and feed
incidence: 1/140, conc.: 55 µg/kg, country: Bulgaria⁵⁶⁴

incidence: 2/18*, conc. range: 350–360 µg/kg, Ø conc.: 355 µg/kg, country: Brazil⁷⁶⁶, *and from Argentina, Uruguay
incidence: 2/20*, conc. range: 400–800 µg/kg, Ø conc.: 600 µg/kg, country: Brazil⁷⁶⁷, *ncac
incidence: 3/58, conc. range: 550–4000 µg/kg, country: India⁷⁸⁸
see also barley, beans, beer, bran (oat), bran (wheat), bread, cereals, cereals (breakfast), flakes (oat), flour, flour (maize), flour (wheat), food, grits (maize), maize, nuts (hazelnut), nuts (peanut), oat products, oats, rice, rye, sorghum, spices (curry), spices (ginger), tandoori, sunflower seeds

T-2 TETRAOL

incidence: 1/18*, conc.: 1680 µg/kg, country: Brazil⁷⁶⁶, *and from Argentina, Uruguay
see also barley, bran (wheat), maize, soybeans

T-2 TRIOL

incidence: 2/283*, conc. range: 13–15 µg/kg, Ø conc.: 14 µg/kg, country: UK⁴⁴², *ncac
see also maize, oat products

VIOMELLEIN

incidence: 8/11* **, conc. range: 300–1800 µg/kg, Ø conc.: 962 µg/kg, country: UK⁸⁰⁷, *moldy, **ncac
see also barley, oil seed rape

VIOXANTHIN

incidence: 8/11* **, conc. range: 200–1200 µg/kg, Ø conc.: 443 µg/kg, country: UK⁸⁰⁷, *moldy, **ncac
see also barley, oil seed rape

XANTHOMEGNIN

incidence: 8/11* **, conc. range:
120–1100 µg/kg, Ø conc.: 390 µg/kg, country:
UK⁸⁰⁷, *moldy, **ncac
see also barley, oil seed rape

ZEARALENONE

incidence: 2/27, conc. range: 2–8 µg/kg
(2 sa), country: Finland²¹⁹
incidence: 1/15, conc.: 23 µg/kg, country:
Germany²⁴⁴
incidence: 3/25, conc. range: 11–24 µg/kg, Ø
conc.: 16 µg/kg, country: China²⁸⁵
incidence: 6/8, conc. range: 105–3079 µg/kg,
Ø conc.: 891.7 µg/kg, country: China³⁴²
incidence: 78/933*, Ø conc.: 407.7 µg/kg,
country: Argentina³⁹⁵, *ncac
incidence: 2/12, conc. range: 27–30 µg/kg, Ø
conc.: 28 µg/kg, country: USA⁴²⁴
incidence: 10/40, conc. range: 28–42 µg/kg,
country: Egypt⁴²⁷
incidence: 10/135* **, conc. range: ≤250
µg/kg, Ø conc.: 74 µg/kg, country:
Germany⁴⁴¹, *cg, **ncac
incidence: 2/46* **, conc. range: ≤55 µg/kg,
Ø conc.: 47 µg/kg, country: Germany⁴⁴¹, *og,
**ncac
incidence: 17/283*, conc. range: ≤188 µg/kg,
Ø conc.: 35 µg/kg, country: UK⁴⁴², *ncac
incidence: 2/2*, conc. range:
2500–3000 µg/kg, Ø conc.: 2750 µg/kg,
country: Portugal⁴⁵¹, *ncac
incidence: 19/102* ** ***, conc. range:
364–11,054 µg/kg, Ø conc.: 2721.6 µg/kg,
country: USA⁴⁵⁴, *soft red, **winter, ***ncac
incidence: 2/40, conc. range: 12–32 µg/kg, Ø
conc.: 22 µg/kg, country: Finland⁴⁵⁵
incidence: 48/151*, conc. range:
10–460 µg/kg, country: New Zealand⁴⁶⁸, *ncac
incidence: 2/10*, conc. range: 8–40 µg/kg, Ø
conc.: 24 µg/kg, country: Korea⁴⁶⁹, *for food
and feed
incidence: 5/9* **, conc. range: 3–1254 µg/kg,
country: Korea⁴⁷⁰, *husked, **ncac
incidence: 6/15*, conc. range: tr, country:
China⁴⁹⁷, *high EC area
incidence: 6/15*, conc. range: tr, country:
China⁴⁹⁷, *low EC area

incidence: 2/5*, conc. range: 5–25 µg/kg, Ø
conc.: 20 µg/kg, country: China⁴⁹⁸, *high EC
area
incidence: 8/51* **, conc. range: ≤18 µg/kg,
Ø conc.: 6 µg/kg, country: Germany⁴⁹⁹, *cg,
**ncac
incidence: 18/50* **, conc. range:
≤105 µg/kg, Ø conc.: 24 µg/kg, country:
Germany⁴⁹⁹, *eg, **ncac
incidence: 5/13* **, conc. range:
100–1800 µg/kg, Ø conc.: 760 µg/kg, country:
Poland⁵¹², *Fdk, **ncac
incidence: 22/24*, conc. range: 11–860 µg/kg,
country: Germany⁵¹⁵, *ncac
incidence: 9/95* **, conc. range: 5–33 µg/kg,
country: Canada⁵²¹, *Ontario soft winter,
**ncac
incidence: 1/188* **, conc.: 4 µg/kg, country:
Canada⁵²¹, *western hard, **ncac
incidence: 6/13*, conc. range: 2–25 µg/kg, Ø
conc.: 12.5 µg/kg, country: Japan⁵²⁸, *ncac
incidence: 3/49*, conc. range: 2–23 µg/kg,
country: Ø conc.: 9.7 µg/kg, Norway⁵²⁹, *ncac
incidence: 69/222*, Ø conc.: 23 µg/kg,
country: Japan⁵³⁰, *ncac
incidence: 4/31* **, conc. range: 1–3 µg/kg,
Ø conc.: 1 µg/kg, country: Japan⁵³³, *from
UK, **ncac
incidence: 2/2* **, conc. range: 3–10 µg/kg,
Ø conc.: 6.6 µg/kg, country: Japan⁵³³, *from
Scotland, **ncac
incidence: 18/18* **, conc. range:
8–706 µg/kg, Ø conc.: 189 µg/kg, country:
Japan⁵³⁴, *scabby, **ncac
incidence: 7/13* **, conc. range: 2–174 µg/kg,
Ø conc.: 45 µg/kg, country: Japan⁵³⁶, *from
The Netherlands, **ncac
incidence: 9/10*, conc. range: 2–21 µg/kg, Ø
conc.: 9 µg/kg, country: Japan⁵³⁷, *from
Canada
incidence: 20/20* **, Ø conc.: 10 µg/kg,
country: Japan⁵³⁸, *from Argentina, **ncac
incidence: 4/4* **, Ø conc.: 78 µg/kg,
country: Japan⁵³⁸, *from China, **ncac
incidence: 3/8* **, Ø conc.: 3 µg/kg, country:
Japan⁵³⁸, *from Germany, **ncac
incidence: 1/12* **, conc.: 4 µg/kg, country:
Japan⁵³⁸, *from Italy, **ncac

incidence: 2/10* **, Ø conc.: 4 µg/kg,
country: Japan⁵³⁸, *from Nepal, **ncac
incidence: 2/4* **, Ø conc.: 16 µg/kg,
country: Japan⁵³⁸, *from Portugal, **ncac
incidence: 4/7* **, Ø conc.: 2 µg/kg, country:
Japan⁵³⁸, *from Yemen, **ncac
incidence: 1/116*, conc.: 5000 µg/kg, country:
USA⁵⁴³, *hard red winter
incidence: 1/42*, conc.: 76 µg/kg, country:
Poland⁵⁴⁸, *ncac
incidence: 1/2* **, conc.: 10 µg/kg, country:
Germany⁵⁶², *unknown origin, **c
incidence: 97/140, conc. range: ≤120 µg/kg,
Ø conc.: 17 µg/kg, country: Bulgaria⁵⁶⁴
incidence: 35/35*, conc. range: 1266.6–5487.5
µg/kg, Ø conc.: 3464 µg/kg, country: Iran⁵⁷⁰,
*ncac
incidence: 4/17*, conc. range: 53–1690 µg/kg,
Ø conc.: 676 µg/kg, country: Japan⁵⁷³, *ncac
incidence: 1/1* ** ***, con.: 1040 µg/kg,
country: Papua, New Guinea⁵⁷⁴, *from
Australia, **coarse ground, ***ncac
incidence: 3/20*, conc. range: 130–210 µg/kg,
Ø conc.: 180 µg/kg, country: Brazil⁷⁶⁷, *ncac
incidence: 3/33* **, conc. range:
35–115 µg/kg, Ø conc.: 80 µg/kg, country:
USA⁷⁷⁰, *scabby, **ncac
incidence: 1/95, conc.: 18 µg/kg, country:
Switzerland⁷⁷⁹
incidence: 4/28*, conc. range: 14–17 µg/kg,
country: Switzerland⁷⁷⁹, *imported
incidence: 5/106* **, conc. range:
100–200 µg/kg (2 sa), >200 µg/kg (3 sa),
country: Uruguay⁷⁸⁷, *and by-products,
**ncac
incidence: ?/39*, conc. range: 42,600 µg/kg,
country: Iran⁸⁷¹, *ncac
see also acha, amaranth, barley, beans,
beefburger, beer, biscuits, bran (oat), bran
(wheat), bread, cake/muffin mixes, cereal
(baby), cereals, cereals (breakfast), cheese,
crackers, flakes (corn), flour, flour (barley),
flour (maize), flour (wheat), food, food
(infant), foodstuff, fruits, germ (wheat), grits
(maize), Job's-tears, maize, malt (barley),
malt (maize), meal (barley), meal (maize),
meal (millet), meal (rye), meal (wheat), meat,
meat (luncheon), milk, milk powder, nuts

(almond), nuts (hazelnut), nuts (peanut),
nuts (walnut), oats, oil, oil seeds, pig serum,
popcorn, products, pumpkin seeds, rice, rye,
sausages, sesame seeds, snacks, sorghum,
soybeans, spice powder, spices (chilli), spices
(chilli powder), spices (sauce), spices
(coriander), spices (curry), spices (curry
paste), spices (curry powder), spices (fennel),
spices (garlic pickle), spices (pepper),
sunflower seeds, vegetables

Wheat beer

see Beer

Wheat bran

see Bran (wheat)

Wheat flakes

see Flakes (wheat)

Wheat flour

see Flour (wheat)

Wheat food

see Food

Wheat germ

see Germ (wheat)

Wheat grits

see Grits (wheat)

Wheat malt

see Malt (wheat)

Wheat meal

see Meal (wheat)

Wheat noodles

see Noodles

Wheat-, spelt -, unripe spelt grain meal

see Meal (cereal)

Whey powder

see Milk (whey powder)

White mold cheese

see Cheese

White wine

see Wine

Wine may contain the following mycotoxins:

AFLATOXIN B₁

incidence: 5/22, conc. range: 0.4–1 µg/l*, Ø conc.: 0.78 µg/l, country: Finland¹⁰⁹, * from Algeria, Greece, Portugal, Spain, Yugoslavia see also acha, areca nut, bacon, barley, beans, beefburger, beer, betel nut, bondakaledkai, bread, buckwheat, butter, cassava, cereals, cereals (breakfast), cheese, chestnut, chips (yam), chocolate, cocoa, cocoa beans, cocoa hazelnut cream, coffee beans (green), coix seed, congressbele, cottonseed, cowpeas, dates, drinks, figs, fish, flakes (corn), flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits products, fruits (apricot), fruits (lemon), fruits (mango), Ga Kenkey, gram, grits (maize), gruel, herbs and medicinal plants, hot dog, Incaparina, jam (bean), Job's-tears, jowar, juice (apple), kheri, kidney (hare), kidney (pheasant), kidney (roe deer), kubeba, legume, lentils, linseeds, liver (hare), liver (pheasant), liver (pig), liver (roe deer), maize, maize and bran, maize dough, maize products, marzipan (almond paste), mchuzi mix, meal (cottonseed), meal (maize), meal (peanut), meal (pistachio), meal (posho), meat (luncheon), meju, melon seeds, milk products, milk (buffalo), milk (camel), milk (cow), milk (human breast), milk (sheep), millet, muesli, nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (coconut products), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut brittle), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (tiger), nuts (walnut), nuts and seeds, oats, oil (coconut), oil (mustard), oil (olive), oil (palm), oil (peanut), oil seed rape, olive, paste (soybean), peanut butter / vegetable oil, peas, poonac, popcorn, ragi, raisins, rice, sausages, sesame products, sesame seeds, shiro, snacks, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices

(cumin), spices (curry), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (ingwer), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (saffron), spices (turmeric), sugar, sunflower seeds, taharna (fermented cereal product), vegetable, wheat

AFLATOXIN B₂

incidence: 5/22, conc. range: 0.1–0.3 µg/l*, Ø conc.: 0.2 µg/l, country: Finland¹⁰⁹, * from Algeria, Greece, Portugal, Spain, Yugoslavia see also acha, areca nut, beans, beer, betel nut, bondakaledkai, buckwheat, cereals (breakfast), cheese, chocolate, cocoa, congressbele, dates, figs, flour, flour (gram), flour (maize), flour (wheat), food, food (infant), fruits (lemon), fruits (mango), Ga Kenkey, grits (maize), gruel, hot dog, Incaparina, jam (bean), Job's-tears, kubeba, maize, maize and beans, maize dough, maize products, marzipan (almond paste), meal (maize), meal (pistachio), meal (posho), meat (luncheon), milk (human breast), nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), popcorn, porridge, ragi, raisins, rice, sausages, sesame seeds, sorghum, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (turmeric), sugar, wheat, wine

AFLATOXIN G₁

incidence: 5/22*, conc. range: 0.3–1 µg/l, Ø conc.: 0.66 µg/l, country: Finland¹⁰⁹, *from Algeria, Greece, Portugal, Spain, Yugoslavia see also areca nut, beans, betel nut, buckwheat, celery seeds, cereals (breakfast), cheese, cocoa, dates, figs, fish, flour (maize),

flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, Incaparina, Job's-tears, juice (apple), maize, maize dough, maize products, meat (luncheon), milk (human breast), nut cocktail, nuts, nuts (almond), nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (hazelnut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pecan), nuts (pine), nuts (pistachio), nuts (walnut), oil (olive), oil (peanut), paste (soybean), peas, popcorn, raisins, rice, sesame seeds, soybeans, spices, spices (ammi), spices (cardamom), spices (chilli), spices (chilli powder), spices (coriander), spices (cumin), spices (fennel), spices (fenugreek), spices (garlic), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), spices (pinhol), spices (turmeric), sunflower seeds

AFATOXIN G₂

incidence: 5/22*, conc. range: 0.1–0.3 µg/l, Ø conc.: 0.18 µg/l, country: Finland¹⁰⁹, *from Algeria, Greece, Portugal, Spain, Yugoslavia see also areca nut, beans, betel nut, buckwheat, cereals (breakfast), cocoa, figs, fish, flour (maize), flour (wheat), food, fruits (lemon), fruits (mango), Ga Kenkey, gruel, maize, maize dough, milk (human breast), nuts, nuts (brazil), nuts (cashew), nuts (coconut), nuts (grogannut), nuts (peanut), nuts (peanut butter), nuts (peanut products), nuts (pistachio), nuts (walnut), oil (olive), paste (soybean), popcorn, raisins, rice, sesame seeds, shoyu, soybeans, spices (cardamom), spices (chilli), spices (coriander), spices (cumin), spices (fennel), spices (ginger), spices (Indian cassia), spices (mustard), spices (nutmeg), spices (paprika), spices (pepper), spices (pepper, cayenne), turmeric, sunflower seeds

OCHRATOXIN A

incidence: 7/7*, conc. range: 0.028–0.18 µg/l, Ø conc.: 0.073 µg/l, country: Morocco²²⁸, *white

incidence: 20/20*, conc. range:

0.04–3.24 µg/l, Ø conc.: 0.912 µg/l, country: Morocco²²⁸, *red

incidence: 3/3*, conc. range: 0.04–0.54 µg/l, Ø conc.: 0.223 µg/l, country: Morocco²²⁸, *rosé

incidence: 49/53* **, conc. range:

0.0022–6.71 µg/l, Ø conc.: 0.039 µg/l, country: Poland²⁵⁰, *imported, **red

incidence: 7/22* **, conc. range:

0.0283–0.0707 µg/l, country: Brazil²⁶⁰, *from Brazil, Argentina, Chile, **red

incidence: 9/20* **, conc. range:

0.0283–0.0567 µg/l, country: Brazil²⁶⁰, *from Spain, France, Italy, Portugal, **red

incidence: 1/5*, conc.: 0.0354 µg/l, country: Brazil²⁶⁰, *rosé

incidence: 2/15* **, conc. range: 0.0283 µg/l, country: Brazil²⁶⁰, *from Brazil, Argentina, **white

incidence: 4/18* **, conc. range:

0.0212–0.0567 µg/l, country: Brazil²⁶⁰, *from Spain, France, Italy, Portugal, **white

incidence: 63/118* **, conc. range:

nd–1.72 µg/l, country: Greece²⁶³, *white, **dry

incidence: 71/104* **, conc. range:

nd–2.69 µg/l, country: Greece²⁶³, *red, **dry incidence: 13/20* **, conc. range:

nd–1.16 µg/l, country: Greece²⁶³, *rosé, **dry incidence: 3/18*, conc. range: nd–2.82 µg/l,

country: Greece²⁶³, *dessert

incidence: 6/8*, conc. range: nd–1.75 µg/l, country: Greece²⁶³, *white (Retsina)

incidence: 4/50* **, conc. range:

0.11–1.13 µg/l, Ø conc.: 0.37 µg/l, country: Spain²⁶⁹, *white, **includes Rioja, Penedés, Costers del Serge, Utiel-Requena

incidence: 24/130* **, conc. range: 0.06–4.24 µg/l, Ø conc.: 0.25 µg/l, country: Spain²⁶⁹,

*red, **includes Rioja, Penedés, Costers del Serge, Utiel-Requena

incidence: 4/10*, conc. range: 0.14–0.71 µg/l, Ø conc.: 0.44 µg/l, country: Spain²⁶⁹,

*sparkling

incidence: 9/20* **, conc. range: 0.09–15.25 µg/l, Ø conc.: 4.47 µg/l, country: Spain²⁶⁹,

**includes Malaga, Muscatel, Sherry, Vermouth, Mistelle

incidence: 7/13* **, conc. range:
 nd–0.87 µg/l, Ø conc.: 0.27 µg/l, country:
 Greece²⁹², *white, **dry
 incidence: 9/14* **, conc. range:
 nd–2.51 µg/l, Ø conc.: 0.68 µg/l, country:
 Greece²⁹², *red, **dry
 incidence: 6/7*, conc. range: nd–3.2 µg/l, Ø
 conc.: 0.94 µg/l, country: Greece²⁹², *sweet
 incidence: 45/69* **, conc. range:
 nd–0.267 µg/l, country: Spain²⁹³, *partly from
 different European countries and California,
 **white
 incidence: 84/91* **, conc. range:
 nd–0.603 µg/l, country: Spain²⁹³, *partly from
 different European countries, **red
 incidence: 29/32* **, conc. range:
 nd–0.161 µg/l, country: Spain²⁹³, *partly from
 different European countries, **rosé
 incidence: 35/47* **, conc. range:
 nd–0.254 µg/l, country: Spain²⁹³, *partly from
 different European countries, **sherry type
 incidence: 10/12*, conc. range: nd–0.037 µg/l,
 country: Spain²⁹³, *sparkling
 incidence: 15/16* **, conc. range:
 nd–2.54 µg/l, country: Spain²⁹³, *and Italy,
 **dessert
 incidence: 14/27*, conc. range: ≤0.126 µg/l,
 country: South Africa²⁹⁴, *white
 incidence: 9/49*, conc. range: ≤0.1 µg/l,
 country: South Africa²⁹⁴, *red
 incidence: 3/27*, conc. range: ≤2.672 µg/l,
 country: South Africa²⁹⁴, *noble late harvest
 incidence: 4/7*, conc. range: ≤0.168 µg/l,
 country: South Africa²⁹⁴, *fortified
 incidence: 2/2*, conc. range: 1.5–3.78 µg/l, Ø
 conc.: 2.64 µg/l, country: Italy³⁰⁶, *red
 incidence: 82/96* **, conc. range:
 0.001–3.177 µg/l, country: Italy³³⁰, *different
 Italian origins, **red
 incidence: 9/15* **, conc. range: 0.001–3.856
 µg/l, country: Italy³³⁰, *different Italian
 origins, **dessert
 incidence: 3/3* ** ***, conc. range: 0.05–0.08
 µg/l, Ø conc.: 0.06 µg/l, country: Portugal⁵⁹⁴,
 *port, **white, ***adulteration
 incidence: 1/2* **, conc.: 0.1–0.3 µg/kg,
 country: Taiwan⁶⁰⁷, *domestic, **red

incidence: 4/8* **, conc. range: 0.1–0.3 µg/kg
 (2 sa), 0.3–0.5 µg/kg (2 sa), country:
 Taiwan⁶⁰⁷, *imported, **red
 incidence: 13/28*, conc. range:
 0.056–0.316 µg/l, Ø conc.: 0.147 µg/l,
 country: Spain⁶³³, *red
 incidence: 7/12*, conc. range:
 0.154–0.208 µg/l, Ø conc.: 0.186 µg/l,
 country: Spain⁶³³, *white
 incidence: 28/50* **, conc. range: 0.01–0.19
 µg/kg (22 sa), 0.2–0.4 µg/kg (4 sa), 0.41–1
 µg/kg (2 sa, with a maximum of 0.8 µg/kg),
 country: UK⁶³⁸, *from different countries,
 **red
 incidence: 14/58* **, conc. range: ≤1.4 µg/l,
 country: Germany⁶³⁹, *and from different
 countries, **white
 incidence: 18/51* **, conc. range: ≤2.4 µg/l,
 country: Germany⁶³⁹, *and from different
 countries, **rosé
 incidence: 79/172* **, conc. range: ≤7 µg/l,
 country: Germany⁶³⁹, *and from different
 countries, **red
 incidence: 15/15* **, conc. range: 0.04–0.33
 µg/l, country: South Africa⁶⁴¹, *bottled,
 boxed, late harvest, **white
 incidence: 9/9* **, conc. range:
 0.07–0.39 µg/l, country: South Africa⁶⁴¹,
 *bottled, boxed, **red
 incidence: ?/3* **, conc. range: 0.01–0.08 µg/l,
 country: South Africa⁶⁴¹, *from Italy, **white
 incidence: ?/5* **, conc. range: 0.23–0.91 µg/l,
 country: South Africa⁶⁴¹, *from Italy, **red
 incidence: 31/31* **, conc. range:
 0.009–2.35 µg/l, country: France⁶⁴³, *and
 from Mediterranean sea countries, **red
 incidence: 14/362* **, conc. range:
 0.051–0.1 µg/l (14 sa), country: Canada⁶⁶⁴,
 *and from different countries, **white
 incidence: 96/580* **, conc. range:
 0.051–0.1 µg/l (94 sa), >0.1–<2 µg/l (2 sa),
 country: Canada⁶⁶⁴, *and from different
 countries, **red
 incidence: 10/43*, conc. range:
 <0.004–0.156 µg/l, country: Canada⁶⁷⁶, *white
 incidence: 5/36*, conc. range:
 <0.008–0.393 µg/l, country: Canada⁶⁷⁶, *red

incidence: 22/53* **, conc. range:
 <0.004–3.72 µg/l, country: Canada⁶⁷⁶,
 *imported, **white
 incidence: 26/48* **, conc. range:
 <0.008–2.32 µg/l, country: Canada⁶⁷⁶,
 *imported, **red
 incidence: ?/24* **, conc. range: ≤0.178 µg/l,
 country: Switzerland⁶⁹¹, * and from different
 countries, **white
 incidence: ?/15* **, conc. range: ≤0.123 µg/l,
 country: Switzerland⁶⁹¹, *from different
 countries, **rosé
 incidence: 55/79* **, conc. range:
 ≤0.388 µg/l, country: Switzerland⁶⁹¹, *and
 from different countries, **red
 incidence: ?/15* **, conc. range: ≤0.451 µg/l,
 country: Switzerland⁶⁹¹, *from different
 countries, **includes Port, Sherry, Marsalla,
 Malaga, Vermouth
 incidence: 13/18*, conc. range: ≤0.11 µg/l,
 country: Switzerland⁶⁹², *white, red, rosé
 incidence: 4*/10, conc.: <4 µg/l, country:
 UK⁷⁴², *red
 incidence: 16/257*, conc. range:
 0.05–0.5 µg/l, country: Australia⁷⁴⁹, *white
 incidence: 14/344*, conc. range:
 0.05–0.62 µg/l, country: Australia⁷⁴⁹, *red
 incidence: 1/117*, conc.: 0.02 µg/l, country:
 Austria⁷⁵⁰, *red, white
 see also barley, beans, beef, beer, berries
 (strawberry), biscuits, bran, bran (barley),
 bran (oat), bran (wheat), bread, buckwheat,
 butter, cake (cocoa), cereal products, cereals,
 cereals (breakfast), cheese, chicken, chicken
 muscle, chocolate, chocolate and chocolate
 cream, cocoa beans, cocoa mass, cocoa
 powder, coffee, coffee beans (green), coppa,
 copra, crème puddings, currants, dates,
 drink, drink (cocoa), drink (malt), drugs,
 duck, extrudates, figs, fish, flakes (cereal),
 flakes (corn), flakes (oat), flakes (wheat),
 flour, flour (cassava), flour (maize), flour
 (rye), flour (wheat), food, food (baby), food
 (infant), fruits, fruits (apple), fruits (apricot),
 fruits (cherry), fruits (peach), fruits (plum),
 fruits (prune), germ (wheat), goose, grits,
 grits (durum), grits (maize), groats (barley),
 gruel, gruel (oat), ham, jam, joints, juice

(carrot), juice (currant), juice (fruit), juice
 (grape), juice (tomato), kidney (pig), kidney
 (poultry), knäckebröd, lentils, linseeds,
 liquourice, liquourice root, liver (cow), liver
 (duck), liver (goose), liver (pig), liver
 (turkey), maize, maize dough, malt, malt
 (barley), meal (buckwheat), meal (cereal),
 meal (maize), meal (rye), meal (spelt), meal
 (wheat), meat and fish, milk (cow), milk
 (human breast), millet, muesli, must,
 noodles, nut slice, nuts, nuts (almond), nuts
 (cashew), nuts (coconut), nuts (hazelnut),
 nuts (peanut), nuts (peanut butter), nuts
 (pistachio), nuts (walnut), oats, oil (olive), oil
 (sesame), olives, pasta, pastries, peas, pig
 blood, pig muscle, pig serum, pig (black
 pudding), plant commodities, popcorn, pork,
 pork pate, potatoes, products, pulp (grape),
 pulses, pumpernickel, ragi, raisins, rice, rolls,
 rusk, rye, sandwich, sauce, sausages, sesame
 seeds, snacks, sorghum, soybeans, spelt, spice
 powder, spices (cardamom), spices (chilli),
 spices (chilli pickle), spices (chilli powder),
 spices (chilli sauce), spices (coriander),
 spices (curry), spices (curry paste), spices
 (curry powder), spices (fennel), spices
 (garlic pickle), spices (ginger), spices
 (mustard), spices (nutmeg), spices
 (paprika), spices (pepper), spices (pepper,
 cayenne), spices (tandoori), spices (turmeric),
 sultanas, sunflower seeds, tea, tomato
 ketchup, tomatoes, turkey, vegetables,
 vinegar, wheat

Wine vinegar

see Vinegar

Würstel

see Sausages

Yam chips

see Chips (yam)

Yogurt may contain the following
 mycotoxins:

AFLATOXIN M₁

incidence: 44/54, conc. range:

0.05–0.47 µg/kg, Ø conc.: 0.2 µg/kg, country:
 Germany⁶

incidence: 91/114, conc. range: <0.001–0.496 µg/kg, Ø conc.: 0.018 µg/kg, country: Italy⁵⁸

incidence: 31/60, conc. range:

0.017–0.124 µg/l, Ø conc.: 0.045 µg/kg,

country: Korea⁹⁶

incidence: 6/8, conc. range: 0.036–0.334 µg/l,

Ø conc.: 0.185 µg/kg, country: Italy¹¹⁶

incidence: 3/4, conc. range: 0.01–0.064 µg/kg,

Ø conc.: 0.034 µg/kg, country: USA¹²⁰

incidence: 1/2*, conc.: 0.03 µg/l, country:

Kuwait³²⁹, *full cream

incidence: 73/120*, conc. range: 0.001–0.0321 µg/l Ø conc.: 0.009 µg/l, country: Italy⁶¹³,

*and from Belgium, France

incidence: 4/13*, conc. range:

0.02–0.05 µg/kg (4 sa, with a maximum of 0.04 µg/kg), country: UK⁷³⁵, *plain

incidence: 2/17, conc. range: 0.02–0.05 µg/kg (2 sa, with a maximum of 0.03 µg/kg),

country: UK⁷³⁵

see also butter, cheese, cheese (blue), gruel, ice cream, kidney (poultry), koshk, lactoserum powder, maize, milk, milk packets, milk powder, milk products, milk (buffalo), milk (camel), milk (cow), milk (goat), milk (human breast), milk (raw or dried, for infant formula), milk (sheep), milk (sheep/goat), milk (UHT), milk (whey powder)

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