

Appendix (1): List of Food Categories

| Food Category Number | Food Category |
|----------------------|--|
| C1 | Milk products and analogues, excluding products of food category (C2) |
| C2 | Fats and oils and fat emulsions |
| C3 | Edible ices, including sherbet and sorbet |
| C4 | Fruits and vegetables (including mushrooms and fungi, roots and tubers, pulses and legumes, and aloe Vera), seaweeds, and nuts and seeds |
| C5 | Confectionery, Cocoa and their products |
| C6 | Cereals and cereal products, derived from cereal grains, pith or softcore of palm tree, excluding bakery wares of food category (C7) |
| C7 | Bakery wares |
| C8 | Meat and meat products, including poultry and game and offal |
| C9 | Fish and fish products, including mollusks, crustaceans, and echinoderms |
| C10 | Eggs and egg products |
| C11 | Sweeteners, including honey |
| C12 | Salts, spices, soups, sauces, salads, protein products, and herbs |
| C13 | Foodstuffs intended for particular nutritional uses |
| C14 | Beverages, excluding milk products, coffee beans, juices, herbal infusions, alcoholic beverages, and packaged water |

Appendix (2): List of Chemical Contaminants in Foods

1. Biological Toxins

| Basic Group | Compounds Belonging to the Group |
|--|---|
| Mycotoxins | Aflatoxins (AFB ₁ – AFB ₂ – AFG ₁ – AFG ₂) |
| | Aflatoxin M1 |
| | Fusarium toxins (Deoxynivalenol (DON)) |
| | Fusarium toxins (Fumonisin (Sum of B1 and B2)) |
| | Fusarium toxins (Zearalenone (ZON)) |
| | Ochratoxin A |
| | Patulin |
| | Citrinin |
| Inherent Plant Toxins | Erucic acid (Monounsaturated Omega-9 Fatty Acid) including Erucic acid bound in fat |
| | Hydrocyanic acid, including hydrocyanic acid bound in cyanogenic glycosides |
| | Ergot sclerotia |
| | Tropane alkaloids (Atropine – Scopolamine) |
| | Ergot alkaloids |
| | Pyrrolizidine alkaloids |
| Aquatic Biotoxins Phycotoxins | Amnesic Shellfish Poisoning Toxin (ASP) : Domoic Acid (DA) |
| | Diarrhoeic Shellfish Poisoning (DSP) : Okadaic Acid (OA) |
| | Saxitoxin (SXT) |
| | Brevetoxin (BTX) |
| | Azaspiracid (AZP) |
| | Yessotoxins (YTX) |

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2. Environmental Contaminants

| Chemical Group | Compounds Belonging to the Group |
|---|--|
| Heavy Metals | Lead (Pb) |
| | Mercury (Hg) |
| | Methylmercury |
| | Cadmium (Cd) |
| | Tin (Sn); inorganic |
| | Arsenic (As); total |
| PCDDs PCDFs | Polychlorinated dibenzo-para-dioxins (PCDDs), Polychlorinated dibenzofurans (PCDFs) |
| Dioxin-Like PCBs | Dioxin-like Polychlorinated Biphenyls (PCBs) (12 congeners) |
| Polychlorinated Biphenyls (PCBs) | Sum of PCB-28, PCB-52, PCB-101, PCB-138, PCB-153 and PCB-180 |
| Nitrate | Nitrate (NO ₃) |

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3. Processing Contaminants

| Chemical Group | Compounds Belonging to the Group |
|---|---|
| Chloropropanediols | 3-monochloropropane diol (3-MCPD) |
| | 3-MCPD esters |
| Glycidyl Fatty Acid Esters | Glycidyl Fatty Acid Esters |
| Polycyclic Aromatic Hydrocarbons (PAHs) | Polycyclic Aromatic Hydrocarbons (PAHs) : Benzo(a)pyrene (BaP) - Benzo[a]anthracene (BaA) - Benzo[b]fluoranthene (BbFA) - Chrysen (CHR) |
| Acrylamide | Acrylamide |
| Ethyl Carbamate | Ethyl Carbamate |

4. Other Contaminants

| Chemical Group | Compounds Belonging to the Group |
|---------------------------------------|--|
| Melamine and its Structural Analogues | Melamine and its structural analogues (Cyanuric acid - Ammelide – Ammeline) |
| Perchlorate | Perchlorate |

Appendix (3): List of Maximum Levels for Chemical Contaminants in Different Food Categories (Classified According to Chemical Contaminants)

1. Biological Toxins

(3-A): Maximum Levels of Mycotoxins

| Contaminant Name | Food Category (Code) | Product Name | Maximum level (µg/kg) | |
|------------------|----------------------|--|-----------------------|---------------------------------|
| | | | Aflatoxin B1 | Total Aflatoxins B1, B2, G1, G2 |
| Aflatoxins | Nuts (C4) | Almonds, pistachios and apricot kernels to be subjected to sorting or other physical | 12 | 15 |

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| | | treatment, before human consumption or use as an ingredient in foodstuffs ⁽¹⁾ | | |
| | | Hazelnuts and brazil nuts, to be subjected to sorting, or other physical treatment, before human consumption or use as an ingredient in foodstuffs ⁽¹⁾ | 8 | 15 |
| | | Tree nuts, other than Hazelnuts and Brazil nuts, almonds, pistachios, and apricot kernels to be subjected to sorting, or other physical treatment, before human consumption or use as an ingredient in foodstuffs ⁽¹⁾ | 5 | 10 |
| | | Tree nuts, other than Hazelnuts and brazil nuts, almonds, pistachios, and apricot kernels intended for direct human consumption or use as an ingredient in foodstuffs ⁽¹⁾ | 2 | 4 |
| | | Almonds, pistachios and apricot kernels, intended for direct human consumption or use as an ingredient in foodstuffs ⁽¹⁾⁽⁵⁾ | 8 | 10 |
| | | Hazelnuts and brazil nuts, intended for direct human consumption or use as an ingredient in foodstuffs ⁽¹⁾⁽³⁾ | 5 | 10 |
| | Nuts (C4) Oilseed (C2) | Groundnuts (peanuts) and other oilseeds ⁽²⁾ to be subjected to sorting or other physical treatment, before human consumption or use as an ingredient in foodstuffs, with the exception of: groundnuts (peanuts) and other oilseeds for | 8 | 15 |

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| | | crushing for refined vegetable oil production ⁽¹⁾ | | |
| | | Groundnuts (peanuts) and other oilseeds ⁽²⁾ and processed products thereof, intended for direct human consumption or use as an ingredient in foodstuffs, except for crude vegetable oils destined for refining and refined vegetable oils ⁽¹⁾ | 2 | 4 |
| | Fruits (C4) | Dried fruit, other than dried figs, to be subjected to sorting, or other physical treatment, before human consumption or use as an ingredient in foodstuffs | 5 | 10 |
| | | Dried figs | 6 | 10 |
| | | Dried fruit, other than dried figs, and processed products thereof, intended for direct human consumption or use as an ingredient in foodstuffs | 2 | 4 |
| | Spices (C12) | Following species of spices: <i>Capsicum spp.</i> (dried fruits thereof, whole or ground, including chillies, chilli powder, cayenne, and paprika), <i>Piper spp.</i> (fruits thereof, including white and black pepper), <i>Myristica fragrans</i> (nutmeg), <i>Zingiber officinale</i> (ginger), <i>Curcuma longa</i> (turmeric), Mixtures of spices containing one or more of the abovementioned spices | 5 | 10 |
| | Cereal (C6) | Maize and rice to be subjected to sorting or other physical treatment before human | 5 | 10 |

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| | | consumption or use as an ingredient in foodstuff | | |
| | Cereal (C6) and Foodstuffs intended for particular nutritional uses (C13) | All cereals and all products derived from cereals, including processed cereal products, except foodstuffs, maize and rice, Processed cereal-based foods, foods for infants and young children, and dietary foods for special medical purposes intended specifically for infant | 2 | 4 |
| | | Processed cereal-based foods (C6) and foods for infants and young children (C13) ⁽⁴⁾ | 0.10 | - |
| | Foodstuffs intended for particular nutritional uses (C13) | Dietary foods for special medical purposes intended specifically for infants ⁽⁴⁾ | 0.10 | - |

| Contaminant Name | Food Category (Code) | Product Name | Maximum level (µg/kg) |
|------------------|---|---|-----------------------|
| | | | Aflatoxin M1 |
| Aflatoxin M1 | Milk and milk products (C1) | Raw milk, heat treated milk, and milk for the manufacture of milk-based products | 0.05 |
| | Foodstuffs intended for particular nutritional uses (C13) | Infant formulae and follow-up formulae, including infant milk and follow-up milk ⁽⁵⁾ | 0.025 |
| | | Dietary foods for special medical purposes intended specifically for infants ⁽⁴⁾ | 0.025 |

| Contaminant Name | Food Category (Code) | Product Name | Maximum level (µg/kg) |
|------------------|----------------------|--|-----------------------|
| | | | Ochratoxin A |
| Ochratoxin A | Cereal (C6) | Unprocessed cereals | 5 |
| | | All products derived from unprocessed cereals, including processed cereal products and cereals intended for direct human consumption | 3 |

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| | | Processed cereal-based foods and foods for infants and young children and Dietary foods for special medical purposes intended specifically for infant (C13) | 0.5 |
| | | Wheat gluten not sold directly to the Consumer | 8 |
| | Milk Products (M 14) | Roasted coffee beans and ground roasted coffee, excluding soluble coffee | 5 |
| | | Soluble coffee (instant coffee) | 10 |
| | Fruits (C4) | Dried vine fruit (currants, raisins and Sultanas) | 10 |

| Contaminant Name | Food Category (Code) | Product Name | Maximum level (µg/kg) |
|------------------|---------------------------|--|-----------------------|
| | | | Ochratoxin A |
| Ochratoxin A | Juices (C14) | Grape juice, concentrated grape juice as grape nectar, grape must be reconstituted and concentrated grape, must as reconstituted, intended for direct human consumption ⁽⁶⁾ | 2 |
| | Alcoholic Beverages (C14) | Wine (including sparkling wine, excluding liqueur wine and wine with an alcoholic strength of not less than 15 % vol.) and fruit wine | 2 |
| | | Aromatized wine, aromatized wine-based drinks and aromatized wine-product cocktails | 2 |
| | Spices (C12) | Spices, including dried spices: Piper spp. (fruits thereof, including white and black pepper) Myristica fragrans (nutmeg) Zingiber officinale (ginger) Curcuma longa (turmeric) | 15 |
| | | Spices, including dried spices: <i>Capsicum spp.</i> (dried fruits thereof, whole or ground, including chillies, chilli powder, cayenne, and paprika) | 20 |
| | | Spices, including dried spices: | 15 |

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| | | Mixtures of spices containing one of the above-mentioned spices | |
| | Herbs (C12) | Liquorice (<i>Glycyrrhiza glabra</i> , <i>Glycyrrhiza inflata</i> and other species) Liquorice root, ingredient for herbal infusion | 20 |
| | | Liquorice (<i>Glycyrrhiza glabra</i> , <i>Glycyrrhiza inflata</i> , and other species): Liquorice extract for use in food in particular beverages and confectionery ⁽⁷⁾ | 80 |
| | Foodstuffs intended for particular nutritional uses (C13) | Dietary foods for special medical purposes (intended specifically for infants) | 0.5 |

| Contaminant Name | Food Category (Code) | Product Name | Maximum level (µg/kg) |
|---------------------------|---|--|-----------------------|
| | | | Patulin |
| Patulin | Juices (C14) | Fruit juices, concentrated fruit juices as reconstituted and fruit nectars ⁽⁶⁾ | 50 |
| | Fruits (C4) | Solid apple products, including apple compote, apple puree intended for direct consumption with the exception of foodstuffs for products used for feeding infants and young children | 25 |
| | Foodstuffs intended for particular nutritional uses (C13) | Apple juice and solid apple products, including apple compote and apple puree, for infants and young children and labelled and sold as such | 10 |
| | | foods other than processed cereal-based foods for infants and young children | 10 |
| Alcoholic Beverages (C14) | Spirit drinks, cider and other fermented drinks derived from apples or containing apple juice | 50 | |

| Contaminant Name | Food Category (Code) | Product Name | Maximum level (µg/kg) |
|------------------|----------------------|--|-----------------------|
| | | | Deoxynivalenol (DON) |
| Fusarium toxins: | Cereal (C6) | Cereal grains (wheat, maize, barley) destined for further processing | 2000 |

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| Deoxynivalenol (DON) | Unprocessed cereals other than durum wheat, oats and maize ^{(8) (9)} | 1250 |
| | Unprocessed Durum Wheat and Oats ^{(8) (9)} | 1750 |
| | Unprocessed maize with the exception of unprocessed maize intended to be processed by wet milling ⁽¹⁰⁾ | 1750 |
| | Flour, meal, semolina and flakes derived from wheat, maize or barley | 1000 |
| | Cereals intended for direct human consumption, cereal flour, bran, and germ as end products marketed for direct human consumption except for those used in the preparation of young children and infant foods, and large particles of maize that are not fit for consumption | 750 |
| | Pasta (dry) ⁽¹¹⁾ | 750 |
| | Bread (including small bakery wares), pastries, biscuits, cereal snacks and breakfast cereals | 500 |
| | Milling fractions of maize and other maize milling products with particle size more than 500 microns (Not intended for direct consumption) | 750 |
| | Milling fractions of maize and other maize milling | 1250 |

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| | | products with particle size less than or equal to 500 microns (Not intended for direct consumption) | |
| | Foodstuffs intended for particular nutritional uses (C13) | Cereal-based foods for infants and young children | 200 |

| Contaminant Name | Food Category (Code) | Product Name | Maximum level (µg/kg) |
|---|----------------------|--|-----------------------|
| | | | Zearalenone |
| Fusarium toxins: Zearalenone (ZON) ⁽¹²⁾ | Cereal (C6) | Unprocessed cereals other than maize ^{(8) (9)} | 100 |
| | | Unprocessed maize except unprocessed maize intended to be processed by wet milling ^{(8) (10)} | 350 |
| | | Cereals intended for direct human consumption, cereal flour, bran, and germ as end products marketed for direct human consumption except for those used in the preparation of young children and infant foods, and large particles of maize that are not fit for consumption | 75 |
| | | Bread (including small bakery wares), pastries, biscuits, cereal snacks, and breakfast cereals, excluding maize-snacks and maize-based breakfast cereals | 50 |
| | | Maize intended for direct human consumption, maize- | 100 |

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| | | based snacks and maize-based breakfast cereals | |
| | | Milling fractions of maize and other maize milling products with particle size more than 500 micron (not used for direct human consumption) | 200 |
| | | Milling fractions of maize and other maize milling products with particle size less than or equal 500 micron (not used for direct human consumption) | 300 |
| | Foodstuffs intended for particular nutritional uses (C13) | Processed cereal-based foods (excluding processed maize-based foods) and foods for infants and young children | 20 |
| | | Processed maize-based foods for infants and young children | 20 |
| | Vegetable Oil (C2) | Refined Maize Oil | 400 |

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| Contaminant Name | Food Category (Code) | Product Name | Maximum level (µg/kg) |
|--|---|--|--|
| | | | Fumonisin (Sum of B1 and B2) |
| Fusarium toxins: Fumonisin (Sum of B1 and B2) | Cereals (C6) | Unprocessed maize except unprocessed maize intended to be processed by wet milling | 4000 |
| | | Maize intended for direct human consumption, maize-based foods for direct human consumption except foodstuffs used in breakfast foods, snacks, and foods for young children | 1000 |
| | | Maize flour and maize meal | 2000 |
| | | Maize-based breakfast cereals and maize-based snacks | 800 |
| | | Milling fractions of maize with particle size more than 500 micron falling within and other maize milling products with particle size more than 500 micron (not used for direct human consumption) | 1400 |
| | | Cereals (C6) Foodstuffs intended for particular nutritional uses (C13) | Milling fractions of maize and other maize milling products with particle size less than or equal 500 micron (not used for direct human consumption) |
| | Cereals (C6) Foodstuffs intended for particular nutritional uses (C13) | Processed maize-based foods and foods for infants and young children | 200 |

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| Contaminant Name | Food Category (Code) | Product Name | Maximum level (µg/kg) |
|------------------|---|---|-----------------------|
| | | | Citrinin |
| Citrinin | Foodstuffs intended for particular nutritional uses (C13) | Food supplements based on rice fermented with red yeast <i>Monascus purpureus</i> | 100 |

(3-B) Maximum Levels of Inherent Plant Toxins:

| Contaminant Name | Food Category (Code) | Product Name | Maximum level (g/kg) |
|---|------------------------------|---|----------------------|
| | | | Erucic acid |
| Erucic acid, including erucic acid bound in fat | Vegetable oils and fats (C2) | Vegetable oils and fats placed on the market for the final consumer or used as an ingredient in food, except camelina oil, mustard oil and borage oil | 20 |
| | Vegetable oils (C2) | Camelina oil, mustard oil, and borage oil | 50 |
| | Spices (C12) | Mustard (condiment) | 35 |

| Contaminant Name | Food Category (Code) | Product Name | Maximum level (µg/kg) |
|---|----------------------|--|-----------------------|
| | | | Hydrocyanic acid |
| Hydrocyanic acid, including hydrocyanic acid bound in cyanogenic glycosides | Seeds (C4) | Unprocessed whole, ground, milled, cracked, chopped apricot kernels placed on the market for the final consume | 20 |

| Contaminant Name | Food Category (Code) | Product Name | Maximum level (µg/kg) |
|------------------|----------------------|---|---|
| | | | Ergot Sclerotia |
| Ergot Sclerotia | Cereal (C6) | Unprocessed cereals with the exception of maize, rye and rice | 0.2 |
| | | Unprocessed rye | 0.5 until 30/6/2024 0.2 as of 1/7/2024 |

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| Contaminant Name | Food Category (Code) | Product Name | Maximum level (µg/kg) |
|---------------------------------|---|--|---|
| | | | Ergot Alkaloids |
| Ergot Alkaloids ⁽¹⁵⁾ | Cereals (C6) | Milling products of barley, wheat, spelt and oats (with ash content <900mg/100g) | 100 50 (to be applied as of 1/7/2024) |
| | | Milling products of barley, wheat, spelt & oats (with ash content ≥ 900 mg/100g) Barley, wheat, spelt and oats grains placed on market for final consumer | 150 |
| | | Rye milling products Rye placed on the market for the final consumer | 500 (until 30/6/2024) 250 (to be applied as of 1/7/2024) |
| | | Wheat gluten | 400 |
| | Foodstuffs intended for particular nutritional uses (C13) | Processed cereal-based food for infants and young children | 20 |

| Contaminant Name | Food Category (Code) | Product Name | Maximum level (µg/kg) |
|---|---|--|---|
| | | | Tropane alkaloids (Sum of Atropine and Scopolamine) |
| Tropane alkaloids (Sum of Atropine and Scopolamine) | Cereal (C6) Foods for infants and young children (C13) | Processed cereal-based foods and foods for infants and young children, containing millet, sorghum, buckwheat or their derived products ⁽¹²⁾ | 1 (Atropine) 1 (Scopolamine) |
| | | Unprocessed millet and sorghum | 5 (to be applied as of 1/9/2022) |
| | | Unprocessed maize (except unprocessed maize intended to be processed by wet milling and unprocessed maize for popping) | 15 (to be applied as of 1/9/2022) |
| | | Unprocessed buckwheat | 10 (to be applied as of 1/9/2022) |
| | | Maize for popping, millet, sorghum, and maize placed on the market for the final consumer, milling products of millet, sorghum, and maize | 5 (to be applied as of 1/9/2022) |

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| | | Buckwheat placed on the market for the final consumer. Milling products of buckwheat | 10 (to be applied as of 1/9/2022) |
| | Herbs (C12) | Herbal extracts (dried product) with the exception of anise seeds | 25 (to be applied as of 1/9/2022) |
| | | Herbal extracts (dried product) of anise seeds | 50 (to be applied as of 1/9/2022) |
| | | Herbal extracts (liquid) | 0.2 (to be applied as of 1/9/2022) |

| Contaminant Name | Food Category (Code) | Product Name | Maximum level (µg/kg) |
|-------------------------|----------------------|---|-------------------------|
| | | | Pyrrolizidine Alkaloids |
| Pyrrolizidine Alkaloids | Herbs (C12) | Herbal infusions (dried product) ⁽¹⁵⁾ except the herbal infusion of rooibos, anise (<i>Pimpinella anisum</i>), lemon balm, chamomile, thyme, peppermint, lemon verbena (dried product) and mixtures exclusively composed of these dried herbs and Tea (<i>Camellia sinensis</i>), flavored tea and herbal infusions for infants and young children (dried product) | 200 |
| | | Herbal extracts ⁽¹⁵⁾ of rooibos, anise (<i>Pimpinella anisum</i>), lemon balm, chamomile, thyme, peppermint, lemon verbena (dried product) and mixtures exclusively composed of these dried herbs with the exception of the herbal infusions of Tea (<i>Camellia sinensis</i>), flavored | 400 |

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| | | tea (<i>Camellia sinensis</i>) and herbal extracts for infants, and young children (dried product) ⁽¹⁵⁾ | |
| | | Tea (<i>Camellia sinensis</i>) and flavored tea (<i>Camellia sinensis</i>) (dried product) | 150 |
| | | Tea (<i>camellia sinensis</i>), flavored tea and herbal infusions for infants and young children (dried product) | 75 |
| | | Tea (<i>Camellia sinensis</i>), flavored tea and herbal infusions for infants and young children (liquid) | 1 |
| | | Borage leaves (fresh, frozen) placed on the market for the final consumer | 750 |
| | | Dried herbs | 400 |
| | | Borage, lovage, marjoram and oregano (dried) and mixtures exclusively composed of these dried herbs | 1000 |
| | | Cumin seeds (seed spice) | 400 |
| | Foodstuffs intended for particular nutritional uses (C13) | Food supplements containing herbal ingredients including extracts with the exception of the pollen-based food supplements | 400 |

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| | | Pollen based food supplements Pollen and pollen products ⁽¹⁵⁾ | 500 |
|--|--|--|-----|

(3-C): Aquatic Biotoxins and Phycotoxins

| Contaminant Name | Food Category (Code) | Product Name | Maximum Levels of Fleshy Parts (µg/kg) Unless a different unit of measurement is specified | The food part to which the maximum level is applied | Notes |
|--|---|-----------------------|---|---|--|
| Domoic acid (DA) group Amnesic Shellfish | Fish, crustaceans, mollusks and their products (C9) | Live Bivalve molluscs | Less than or equal 20 mg/kg Domoic Acid | Any edible part | -- |
| | | Bivalve molluscs | Less than or equal 0.16 mg/kg Okadaic Acid equivalent | | The following items should be estimated OA, DTX1 and DTX2, their esters (DTX3) Pectenotoxins group toxins: PTX1 and PTX2 |
| | | Bivalve molluscs | Less than or equal 0.8 mg (2HCL) of Saxitoxin equivalent | | The following items should be estimated Saxitoxin (STX) ,(NEO) , (dcSTX), GTX1, GTX2, GTX3, GTX4, GTX5, GTX6, dcGTX2, dcGTX3, C1, C2, C3, C4 |
| Okadaic acid (OA) group ⁽¹⁶⁾ Diarrhoeic shellfish | | Bivalve molluscs | Less than or equal 200 mouse units/kg (0.8 mg/kg Brevetoxin equivalent) | | -- |
| | | Bivalve molluscs | Less than or equal to 0.16 mg/kg Azaspiracid equivalent | | The following items should be estimated Azaspiracids group toxins: AZA1, AZA2 and AZA3 |
| | | Bivalve molluscs | 3.75 mg/kg Yessotoxin equivalent | | The following items should be estimated Yessotoxins group toxins: YTX, 45 OH YTX, homo YTX, and 45 OH homo YTX |
| Saxitoxin (STX) group ⁽¹⁷⁾ Paralytic shellfish | | | | | |
| Brevetoxin (BTX) group Neurotoxic shellfish poisons | | | | | |
| Azaspiracid (AZP) group ⁽¹⁸⁾ poisoning (AZP) | | | | | |
| Yessotoxins (YTX) ⁽¹⁹⁾ | | | | | |

2. Environmental Contaminants

(3-D): Maximum Levels of Heavy Metals

| Contaminant Name | Food Category (Code) | Product Name | Maximum level (µg/kg) |
|------------------|----------------------|--------------|-----------------------|
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| Lead (Pb) | Fruits (C4) | Berries and other small fruits. The ML does not apply to cranberry, currant and elderberry | 0.1 | |
| | | Cranberry, Currants, Elderberry | 0.2 | |
| | | Fruits: Whole commodity. Berries and other small fruits: whole commodity after removal of caps and stems. Pome fruits: whole commodity after removal of stems. Stone fruits, dates, and olives: whole commodity after removal of stems and stones, but the level calculated and expressed on the whole commodity without the stem. Pineapple: whole commodity after removal of crown. Avocado, mangos, and similar fruit with hard seeds: whole commodity after removal of stone but calculated on whole fruit. Excluding cranberries, currants, elderberries, and strawberry tree fruit. | 0.1 | |
| | | Cranberries, currants, elderberries, and strawberry tree fruit | 0.2 | |
| | | Canned fruits | 0.1 | |
| | | Jams, jellies and marmalades | 0.4 | |
| | | Mango chutney | 0.4 | |
| | | Juices (C14) | Fruit juices: Whole commodity (not concentrated) or product reconstituted to the original juice concentration, ready to drink. The ML applies also to nectars (does | 0.03 |

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| | | not apply to berry and other small fruit juices) | |
| | | Fruit juices obtained exclusively from berries and other small fruits Whole commodity (not concentrated) or commodity reconstituted to the original juice concentration, ready to drink. The ML applies also to nectars, ready to drink (does not apply to grape juice) | 0.05 |
| | | Grape juice: Whole commodity (not concentrated) or product reconstituted to the original juice concentration, ready to drink. The ML applies also to nectars, ready to drink. | 0.04 |
| | Vegetables (C4) | Brassica vegetables Head cabbages and kohlrabi: whole commodity as marketed, after removal of obviously decomposed or withered leaves. Cauliflower and broccoli: flower heads (immature inflorescence only). Brussels sprouts: “buttons” only. | 0.1 |
| | | Leafy brassica, salsify, the following fungi <i>Agaricus bisporus</i> (common mushroom), <i>Pleurotus ostreatus</i> (Oyster mushroom), <i>Lentinula edodes</i> (Shiitake mushroom) and leafy vegetables (excluding fresh herbs) | 0.3 |
| | | Bulb/dry onions and garlic: whole commodity after | 0.1 |

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| | | removal of roots and adhering soil and whatever parchment skin is easily detached. | |
| | | Fruiting vegetables other than sweetmaize (does not apply to fungi and mushroom) | 0.05 |
| | | Fruiting vegetables: sweetmaize | 0.1 |
| | | Legume vegetables: Whole commodity as consumed. The succulent forms may be consumed as whole pods or as shelled product. | 0.1 |
| | | Root and tuber vegetables (excluding salsifies, fresh ginger and fresh turmeric), bulb vegetables, flowering brassica, head brassica, kohlrabies, legume vegetables and stem vegetables | 0.1 |
| | | Wild fungi, fresh turmeric, and fresh ginger | 0.8 |
| | | Pulses | 0.2 |
| | | Canned vegetables (RTE) | 0.1 |
| | | Preserved tomatoes | 0.05 |
| | | Table olives | 0.4 |
| | | Pickled cucumbers (cucumber pickles) | 0.1 |
| | Nuts (C4) | Canned chestnuts and canned chestnuts puree | 0.05 |
| | Edible fungi (C4) | Fresh farmed mushrooms (common mushrooms (<i>Agaricus bisporous</i>), shiitake mushrooms (<i>Lentinula</i> | 0.3 |

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| | | <i>edodes</i>), and oyster mushrooms (<i>Pleurotus ostreatus</i>) | |
| | Spices (C12) | Dried spices, Fruit spices | 0.6 |
| | | Dried spices, Root and rhizome spices | 1.5 |
| | | Dried spices, Bark spices | 2 |
| | | Dried spices, Bud spices, and flower pistil spices | 1 |
| | | Dried spices, Seed spices | 0.9 |
| | Cereals (C6) | Cereals and pulses | 0.2 |
| | Foodstuffs intended for particular nutritional uses (C13) | Infant formula, formula for special medical purposes intended for infants and follow-up formula | 0.01 |
| | Fish (C9) | Muscle meat of fish: Whole commodity after gutting | 0.3 |
| | Crustaceans and Mollusks (C9) | Cephalopods ⁽²⁰⁾ | 0.3 |
| | | Crustaceans ⁽²¹⁾ | 0.5 |
| | | Bivalve molluscs | 1.5 |
| Meat (C8) | Meat of bovine, pigs and sheep Meat (excluding offal) of bovine animals, sheep, pig and poultry (applies to fats of boneless meat) | 0.1 | |
| | Meat and fat of poultry (boneless) | 0.1 | |
| Offal of cows and sheep (C8) | bovine and sheep, edible offal of Edible offal means such offal as having been passed as fit for human consumption, but not including lungs, ears, | 0.2 | |

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| | | scalp, snout (including lips and muzzle), mucous membranes, sinews, genital system, udders, intestines, and urinary bladder The ML applies to the following edible offal: Brain, head, heart, kidney, liver, tongue, and stomach. | |
| | Offal of Pigs (C8) | Edible offal of pig means such offal as having been passed as fit for human consumption, but not including lungs, ears, scalp, snout (including lips and muzzle), mucous membranes, sinews, genital system, udders, intestines, and urinary bladder. The ML: Blood, heart, kidney, liver, and tongue. | 0.15 |
| | Offal of Poultry (C8) | Poultry, edible offal of poultry edible offal are such edible tissues and organs, other than poultry meat and poultry fat, from slaughtered poultry as have been passed fit for human consumption. The ML applies to the following edible offal: Heart, kidney, liver, stomach, and thymus. | 0.1 |
| | Oils and Fats (C2) | Edible Fats and oils | 0.08 |

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| | | Fat spreads and blended spreads | 0.04 |
| | Milks (C1) | Raw milk, heat-treated milk, and milk for the manufacture of milk-based products | 0.02 |
| | Foodstuffs intended for particular nutritional uses (C13) | Infant formulae, follow-up formulae and young child formula (marketed as liquid) (22) | 0.01 |
| | | Infant formulae, follow-up formulae and young child formula (marketed as powder) (22) | 0.02 |
| | Milks (C1) | Milk and Secondary milk products Milk (intended for consumption as liquid milk or for further processing. A concentration factor applies to partially or wholly dehydrated milks | 0.02 |
| | Bottled Water (C14) | Natural mineral waters | 0.01 |
| | Food Grade Salt (C12) | Salt, food grade | 1 |
| | Alcoholic Beverages (C14) | Wine (wine and fortified / liqueur wine) | 0.15 |
| | | Wine | 0.1 |
| | | Fortified/Liqueur wine , Aromatized wine, aromatized wine-based drinks and aromatized wine-product cocktails fruit harvest products produced from the 2022 fruit harvest onwards | 0.1 |

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| | Foodstuffs intended for particular nutritional uses (C13) | Food supplements ⁽²³⁾ | 3 | |
| | Honey (C11) | Honey | 0.1 | |
| | Foodstuffs intended for particular nutritional uses (C13) | Processed cereal-based foods and foods for infants and young children ⁽¹⁹⁾ | 0.02 | |
| | | Foods for special medical purposes intended specifically for infants and young children (marketed as powder) ⁽²²⁾ | 0.02 | |
| | | Foods for special medical purposes intended specifically for infants and young children (marketed as liquid) ⁽²²⁾ | 0.01 | |
| | | Drinks for infants and young children labelled and sold as such: marketed as liquids or to be reconstituted following instructions of the manufacturer including fruit juices | 0.02 | |
| | | Drinks for infants and young children labelled and sold as such: to be prepared by infusion or decoction | 0.5 | |
| Mercury (Hg) | | Bottled Water (C14) Food Grade Salt (C12) | Natural mineral waters | 0.001 |
| | | | Salt, food grade | 0.1 |
| | Fish, crustaceans and mollusks (C9) | Fishery products and muscle meat of fish ^{(25), (26)} excluding species listed below. The ML for crustaceans applies to | 0.5 | |

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| | | <p>muscle meat from appendages and abdomen ⁽²¹⁾. In the case of crabs and crab-like crustaceans (Brachyura and Anomura), it applies to muscle meat from appendages</p> | |
| | | <p>Muscle meat of the following fish ^{(25), (26)}: anglerfish (<i>Lophius species</i>) Atlantic catfish (<i>Anarhichas lupus</i>) bonito (<i>Sarda sarda</i>) eel (<i>Anguilla species</i> emperor, orange roughy, rosy soldierfish (<i>Hoplostethus species</i>), grenadier (<i>Coryphaenoides rupestris</i>), halibut (<i>Hippoglossus hippoglossus</i>), kingklip (<i>Genypterus capensis</i>), marlin (<i>Makaira species</i>), megrim (<i>Lepidorhombus species</i>) mullet (<i>Mullus species</i>), pink cusk eel (<i>Genypterus blacodes</i>), pike (<i>Esox lucius</i>), plain bonito (<i>Orcynopsis unicolor</i>), poor cod (<i>Tricopterus minutes</i>), Portuguese dogfish (<i>Centroscymnus coelolepis</i>), rays (<i>Raja species</i>), redfish (<i>Sebastes marinus</i>, <i>S. mentella</i>, <i>S. viviparous</i>), sailfish (<i>Istiophorus platypterus</i>), scabbard fish (<i>Lepidopus caudatus</i>, <i>Aphanopus carbo</i>), seabream, pandora (<i>Pagellus species</i>), shark (all species), snake</p> | <p align="center">1</p> |

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| | | mackerel or butterfish (<i>Lepidocybium flavobrunneum, Ruvettus pretiosus, Gempylus serpens</i>), sturgeon (<i>Acipenser species</i>), swordfish (<i>Xiphias gladius</i>), tuna (<i>Thunnus species, Euthynnus species, Katsuwonus pelamis</i>) (<i>Thunnus species, Euthynnus species, Katsuwonus pelamis</i>) | |
| | Foodstuffs intended for particular nutritional uses (C13) | Food supplements ⁽²³⁾ | 0.1 |
| | Herbs (C12) | Herbal medicines; raw herbal materials | 0.2 |
| Methyl Mercury | Fish (C9) | Tuna (Whole commodity, fresh or frozen after gutting) | 1.2 |
| | | Alfonsino (Whole commodity, fresh or frozen after gutting) | 1.5 |
| | | Marlin (Whole commodity, fresh or frozen after gutting) | 1.7 |
| | | Shark (Whole commodity, fresh or frozen after gutting) | 1.6 |
| Cadmium (Cd) | Fruits (C4) | Citrus fruits, pome fruits, stone fruits, table olives, kiwi fruits, bananas, mangoes, papayas and pineapples | 0.06 |
| | | Berries and small fruits, except raspberries | 0.03 |

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| | | Raspberries | 0.04 |
| | | Fruits, except those listed above | 0.05 |
| | Vegetables (C4) Herbs (C12) | Brassica vegetables Head cabbages and kohlrabi other than leafy brassica whole commodity as marketed, after removal of obviously decomposed or withered leaves. Cauliflower and broccoli: flower heads (immature inflorescence only). Brussels sprouts: “buttons” only. | 0.04 |
| | | Leafy brassica | 0.10 |
| | | Bulb vegetables, except garlic whole commodity after removal of roots and adhering soil and whatever parchment skin is easily detached. | 0.05 |
| | | Garlic | 0.05 |
| | | Fruiting vegetables, except aubergines, whole commodity after removal of stems. Sweet maize and fresh maize: kernels plus cob without husk. ⁽²⁷⁾ | 0.02 |
| | | Aubergines | 0.03 |
| | | Leaf vegetables and herbs, except Spinaches and similar leaves, mustard seedlings and fresh herbs | 0.1 |

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| | | Spinaches and similar leaves, mustard seedlings, and fresh herbs | 0.2 |
| | | Legume vegetables: Whole commodity as consumed. The succulent forms may be consumed as whole pods or as shelled product. | 0.02 |
| | | Pulses, except proteins from pulses | 0.04 |
| | | Proteins from pulses | 0.1 |
| | | Root and tuber vegetables, (except Radishes, Tropical roots, tubers, parsley roots, turnips, Beetroots, Celeriac, Horseradish, parsnips, salsify) - whole commodity after removing tops. Remove adhering soil (e.g., by rinsing in running water or by gentle brushing of the dry product). Potato: peeled potato. | 0.1 |
| | | Radishes | 0.02 |
| | | Tropical roots and tubers, parsley roots, turnips | 0.05 |
| | | Beetroots | 0.06 |
| | | Celeriac | 0.15 |
| | | Horseradish, parsnips, salsify | 0.2 |
| | | Stalk and Stem vegetables, other than Leeks, Celeries: Whole commodity as marketed after removal of | 0.03 |

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| | | obviously decomposed or withered leaves. Rhubarb: leaf stems only. Globe artichoke: flower head only. Celery and asparagus: remove adhering soil. | |
| | | Leeks | 0.04 |
| | | Celeries | 0.1 |
| | Edible Fungi (C4) | Cultivated fungi, other than <i>Lentinula edodes</i> (Shiitake mushroom) and <i>Pleurotus, ostreatus</i> (Oyster mushroom) | 0.05 |
| | | <i>Lentinula edodes</i> (Shiitake mushroom) and <i>Pleurotus ostreatus</i> (Oyster mushroom) | 0.15 |
| | | Wild fungi | 0.5 |
| | Oilseeds (C2) | Oilseeds, except Rape seeds, groundnuts (peanuts) and soy beans, Mustard seeds, Linseed and sunflower seed and Poppy seed | 0.1 |
| | | Rape seeds | 0.15 |
| | | Groundnuts (peanuts) and soy beans | 0.20 |
| | | Mustard seeds | 0.30 |
| | | Linseed and sunflower seed | 0.50 |
| | | Poppy seed | 1.20 |
| | Nuts (C4) | Tree nuts, except Pine nuts | 0.2 |
| | | Pine nuts | 0.3 |
| | Herbs (C12) | Raw herbal materials | 0.3 |
| | Cereals (C6) | Cereals other than Rye and barley, Rice, quinoa, wheat | 0.1 |

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| | | bran and wheat gluten, <i>Triticum durum</i> (durum wheat), | |
| | | Rye and barley | 0.05 |
| | | Rice, quinoa, wheat bran and wheat gluten | 0.15 |
| | | <i>Triticum durum</i> (durum wheat) | 0.18 |
| | | Wheat germ | 0.2 |
| | | Rice grains: Rice (polished) for direct consumption | 0.4 |
| | Crustaceans and Mollusks (C9) | Marine bivalve mollusks. The ML applies to clams, cockles and mussels but not to oysters and scallops. | 2 |
| | | Cephalopods. The ML applies to cuttlefishes, octopuses and squids without viscera | 2 |
| | | Crustaceans: muscle meat from appendages and abdomen. In the case of crabs and crab-like crustaceans (Brachyura and Anomura) muscle meat from appendages. | 0.5 |
| | Bottled Waters (C14) | Natural mineral waters | 0.003 |
| | Food Grade Salt (C12) | Salt, food grade | 0.5 |
| | Cocoa Products (C5) | Milk chocolate with less than 30 % total dry cocoa solids | 0.10 |
| | | Chocolate with less than 50 % total dry cocoa solids; milk chocolate with more than or equal 30 % total dry cocoa solids | 0.30 |

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| | | Chocolate containing or declared to contain more than or equal 50 % total dry cocoa solids and less than 70% total dry cocoa solids on a dry matter basis in the final product It includes sweet chocolate, gianduja chocolate, semi-bitter table chocolate, vermicelli, chocolate flakes and bitter table chocolate | 0.8 |
| | | Chocolate containing or declared to contain more than or equal 70% total dry cocoa solids on a dry matter basis. It includes sweet chocolate, gianduja chocolate, semi-bitter table chocolate, vermicelli, chocolate flakes and bitter table chocolate | 0.9 |
| | | Cocoa powder sold to the final consumer or as an ingredient in sweetened cocoa powder sold to the final consumer (drinking chocolate) | 0.6 |
| | Meat (C8) | Meat (excluding offal) of bovine animals, sheep, pig and poultry | 0.050 |
| | | Horsemeat, excluding offal | 0.20 |

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| | Offal (C8) | Liver of bovine animals, sheep, pigs, poultry, and horse | 0.50 |
| | | Kidney of bovine animals, sheep, pigs, poultry, and horse | 1.0 |
| | Fish (C9) | Muscle meat of fish, excluding species Muscle meat of the following fish: mackerel (<i>Scomber</i> species), tuna (<i>Thunnus</i> species, <i>Katsuwonus pelamis</i> , <i>Euthynnus</i> species), bichique (<i>Sicyopterus lagocephalus</i>), Muscle meat of the following fish: bullet tuna (<i>Auxis</i> species), Muscle meat of the following fish: anchovy (<i>Engraulis</i> species), swordfish (<i>Xiphias gladius</i>), sardine (<i>Sardina pilchardus</i>) | 0.050 |
| | | Muscle meat of the following fish: mackerel (<i>Scomber</i> species), tuna (<i>Thunnus</i> species, <i>Katsuwonus pelamis</i> , <i>Euthynnus</i> species), bichique (<i>Sicyopterus lagocephalus</i>) | 0.10 |
| | | Muscle meat of the following fish: bullet tuna (<i>Auxis</i> species) | 0.15 |
| | | Muscle meat of the following fish: anchovy (<i>Engraulis</i> species), swordfish (<i>Xiphias</i> | 0.25 |
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| | | gladius), sardine (<i>Sardina pilchardus</i>) | |
| | Foodstuffs intended for particular nutritional uses (C13) | Food supplements consisting exclusively or mainly of dried seaweed, products derived from seaweed, or of dried bivalve molluscs ⁽²³⁾ | 3 |
| | | Food supplements, except food supplements consisting exclusively or mainly of dried seaweed, products derived from seaweed, or of dried bivalve molluscs | 1 |
| | | Infant formulae, follow-up formulae, and foods for special medical purposes intended for infants and young children and young children formulae marketed as powder and manufactured from cow's milk proteins or from cow's milk protein hydrolysates | 0.01 |
| | | Infant formulae, follow-up formulae and foods for special medical purposes intended for infants and young children and young children formulae marketed as liquid and manufactured from cow's milk proteins or from cow's milk protein hydrolysates | 0.005 |

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| | | Infant formulae, follow-up formulae, and foods for special medical purposes intended for infants and young children and young children formulae marketed as powder and manufactured from soya protein isolates, alone or in a mixture with cow's milk proteins | 0.02 |
| | | Infant formulae, follow-up formulae, and foods for special medical purposes intended for infants and young children and young children formulae marketed as liquid and manufactured from soya protein isolates, alone or in a mixture with cow's milk proteins | 0.01 |
| | | Young child formulae marketed as powder and manufactured from plant protein isolates other than soya protein isolates, alone or in a mixture with cow's milk proteins | 0.02 |
| | | Young child formulae marketed as liquids and manufactured from plant protein isolates other than soya protein isolates, alone or in a mixture with cow's milk proteins | 0.01 |
| | | Processed cereal-based foods and foods for infants and young children | 0.04 |
| | | Drinks for infants and young children labelled and sold as | 0.02 |

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| | | such, other than Infant formulae, follow-up formulae, and foods for special medical purposes intended for infants and young children and young children formulae and young children formulae marketed as liquids or to be reconstituted following instructions of the manufacturer including fruit juices | |
| Tin (Sn) | Canned Food | Canned foods other than beverages. ML does not apply to non-tinplate canned cooked cured chopped meat, cooked cured pork shoulder, corned beef and luncheon meat. | 250 |
| | Foodstuffs intended for particular nutritional uses (C13) | Canned foods for young children and processed cereal-based foods for infants and young children, excluding dried and powdered products (22) Canned dietary foods for special medical purposes intended specifically for infants, excluding dried and powdered products | 50 |
| | | Canned infant formulae and follow-up formulae (including infant milk and follow-up milk), excluding dried and powdered products (22) | 50 |

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| | Beverages (C14) | Canned beverages, including fruit juices and vegetable juices | 150 |
| | Meat (C8) | Cooked cured chopped meat (ML applies to non-canned products) | 50 |
| | | Cooked cured ham (ML applies to non-canned products) | 50 |
| | | Cooked cured pork shoulder (ML applies to non-canned products) | 50 |
| | | Corned beef (ML applies to non-canned products) | 50 |
| | | Luncheon meat (ML applies to non-canned products) | 50 |
| Arsenic (As) (total) ⁽²⁹⁾⁽³⁰⁾ | Oils and Fats (C2) | Edible fats and oils (Whole commodity) (excluding fish oil) | 0.1 mg/L |
| | | Fat spreads and blended spreads | 0.1 |
| | Bottled Water (C14) | Natural mineral waters | 0.01 |
| | Food Grade Salt (C12) | Salt; food-grade | 0.5 |
| | Sugar (C11) | White sugar | 0.5 |
| | Cereals (C6) | Rice, husked | 0.35 |
| | | Rice, polished (non-parboiled milled rice) | 0.2 |
| | | Parboiled rice and husked rice | 0.25 |
| | | Rice waffles, rice wafers, rice crackers and rice cakes ^{(22) (23)} | 0.3 |
| | Foodstuffs intended for particular nutritional uses (C13) | Rice destined for the production of food for infants and young children | 0.1 |

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| | Herbs (C12) | Raw herbal materials | 5 |
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(3-E): Maximum Levels of Dioxins and PCBs ⁽³¹⁾

| Food Category (Code) | Product Name | Sum of dioxins (WHO-PCDD/F- TEQ)⁽³²⁾ | Sum of dioxins and dioxin-like PCBs (WHO-PCDD/F- PCB-TEQ)⁽³²⁾ | Sum of PCB28, PCB52, PCB101, PCB138, PCB153 and PCB180 (ICES-6)⁽³²⁾ |
|---------------------------------|--|--|---|---|
| Meat (C8) | Meat and meat products of bovine animals and sheep | 2.5 pg/g fat ⁽³³⁾ | 4.0 pg/g fat ⁽³³⁾ | 40 ng/g fat ⁽³³⁾ |
| | Meat and meat products of poultry | 1.75 pg/g fat ⁽³³⁾ | 3.0 pg/g fat ⁽³³⁾ | 40 ng/g fat ⁽³³⁾ |
| | Meat and meat products of pigs | 1.0 pg/g fat ⁽³³⁾ | 1.25 pg/g fat ⁽³³⁾ | 40 ng/g fat ⁽³³⁾ |
| Offal (C8) | Liver of terrestrial animals except for sheep and derived products thereof | 0.30 pg/g wet Weight | 0.50 pg/g wet Weight | 3.0 ng/g wet Weight |
| | Liver of sheep and derived products thereof | 1.25 pg/g wet weight | 2.00 pg/g wet weight | 3.0 ng/g wet weight |

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| Fish and Fish Products (C9) | <p>Muscle meat of fish and fishery products and products thereof⁽²⁵⁾⁽³⁴⁾, with the exemption of:</p> <ul style="list-style-type: none"> - wild caught eel - wild caught spiny dogfish (<i>Squalus acanthias</i>) - wild caught fresh water fish, with the exception of diadromous fish species caught in fresh water - fish liver and derived products - marine oils <p>The maximum level for crustaceans applies to muscle meat from appendages and abdomen. ⁽²¹⁾ In case of crabs and crab-like crustaceans (Brachyura and Anomura) it applies to muscle meat from appendages.</p> | 3.5 pg/g wet weight | 6.5 pg/g wet weight | 75 ng/g wet weight |
| | <p>Muscle meat of wild-caught freshwater fish, except diadromous fish species caught in</p> | 3.5 pg/g wet weight | 6.5 pg/g wet weight | 125 ng/g wet weight |

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| | freshwater, and products thereof ⁽²⁵⁾ | | | |
| | Muscle meat of wild-caught spiny dogfish (<i>Squalus acanthias</i>) and products thereof ⁽²⁵⁾ | 3.5 pg/g wet weight | 6.5 pg/g wet weight | 200 ng/g wet weight |
| | Muscle meat of wild-caught eel (<i>Anguilla anguilla</i>) and products thereof | 3.5 pg/g wet weight | 10.0 pg/g wet weight | 300 ng/g wet weight |
| | Fish liver and derived products thereof except marine oils referred to in the next point | - | 20.0 pg/g wet weight ⁽³⁵⁾ | 200 ng/g wet weight ⁽³⁵⁾ |
| | Marine oils (fish body oil, fish liver oil, and oils of other marine organisms intended for human consumption) | 1.75 pg/g fat | 6.0 pg/g fat | 200 ng/g fat |
| Milks (C1) | Raw milk and milk products, including butterfat | 2.5 pg/g fat ⁽³³⁾ | 5.5 pg/g fat ⁽³³⁾ | 40 ng/g fat ⁽³³⁾ |
| Eggs (C10) | Hen eggs and egg products | 2.5 pg/g fat ⁽³³⁾ | 5.0 pg/g fat ⁽³³⁾ | 40 ng/g fat ⁽³³⁾ |
| Oils and Fats (C2) | Fat of bovine animals and sheep | 2.5 pg/g fat | 4.0 pg/g fat | 40 ng/g fat |

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| | | | | |
|--|---|---------------------|---------------------|--------------------|
| | Fat of poultry | 1.75 pg/g fat | 3.0 pg/g fat | 40 ng/g fat |
| | Fat of pigs | 1.0 pg/g fat | 1.25 pg/g fat | 40 ng/g fat |
| | Mixed animal fats | 1.5 pg/g fat | 2.50 pg/g fat | 40 ng/g fat |
| | Vegetable oils and fats | 0.75 pg/g fat | 1.25 pg/g fat | 40 ng/g fat |
| Foodstuffs intended for particular nutritional uses (C13) | Foods for infants and young children ⁽⁵⁾ | 0.1 pg/g wet weight | 0.2 pg/g wet weight | 1.0 ng/g wet weigh |

(3-F): Maximum Levels of Nitrate

| Food Category (Code) | Product Name | Maximum level mg NO₃ /kg |
|--|--|--|
| Vegetables (C4) | Fresh spinach (<i>Spinacia oleracea</i>) ⁽³⁶⁾ | 3500 |
| | Preserved, deep-frozen or frozen spinach | 2000 |
| | Fresh Lettuce (<i>Lactuca sativa</i> L.): grown under cover | 4000 |
| | Fresh Lettuce (<i>Lactuca sativa</i> L.): grown in the open air | 3500 |
| | 'Iceberg' type lettuce: grown under cover | 2500 |
| | 'Iceberg' type lettuce: grown in the open air | 2000 |
| | Rucola (<i>Eruca sativa</i> , <i>Diplotaxis</i> sp., <i>Brassica tenuifolia</i> , <i>Sisymbrium tenuifolium</i>) | 6000 |
| Foodstuffs intended for particular nutritional uses (C13) | Processed cereal-based foods and foods for infants and young children ⁽⁴⁾ | 200 |

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3. Processing Contaminants

(3-G): Maximum Levels of Chloropropanols & Glycidyl Fatty Acid

Esters:

| Contaminant Name | Food Category (Code) | Product Name | Maximum level (µg/kg) |
|--|-----------------------------|--|------------------------------|
| 3-monochloropropanediol (3-MCPD) | Vegetable Protein (C12) | Hydrolyzed vegetable protein ⁽³⁷⁾ | 20 |
| | | Liquid condiments containing acid hydrolyzed vegetable proteins | 400 |
| | | Soy sauce ⁽³⁷⁾ | 20 |
| Sum of 3-monochloropropanediol (3-MCPD) and 3-MCPD fatty acid esters, expressed as 3-MCPD | Oils and Fats (C2) | Vegetable oils and fats, fish oils, and oils from other marine organisms placed on the market for the final consumer or used as an ingredient in food fall within the following categories, except the foods referred to the hereafter and of virgin olive oils: oils and fats from coconut, maize, rapeseed, sunflower, soybean, palm kernel, and olive oils (composed of refined olive oil and virgin olive oil) and mixtures of oils and fats with oils and fats only from this category | 1250 |
| | | - Other vegetable oils (including pomace olive oils), fish oils and oils from other marine organisms, and mixtures of oils and fats with oils and fats only from this category - mixtures of oils and fats from the two abovementioned categories ⁽³⁸⁾ | 2500 |

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| | | | |
|---|---|---|------|
| | Foodstuffs intended for particular nutritional uses (C13) | Vegetable oils and fats, fish oils and oils from other marine organisms destined for the production of foods for young children and processed cereal-based foods for infants and young children | 750 |
| | | Infant formula, follow-up formula, foods for special medical purposes intended for infants and young children, and young-children formulae (powder) | 125 |
| | | Infant formula, follow-up formula, foods for special medical purposes intended for infants and young children, and young- children formulae (liquid) | 15 |
| Glycidyl fatty acid esters expressed as Glycidol | Oils and Fats (C2) | Vegetable oils and fats, fish oils, and oils from other marine organisms placed on the market for the final consumer or for use as an ingredient in food | 1000 |
| | | Vegetable oils and fats, fish oils and oils from other marine organisms destined for the production of foods for young children and processed cereal-based food for infants and young children | 500 |
| | Foodstuffs intended for | Infant formulae, follow-up | 50 |

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|--|--------------------------------------|--|---|
| | particular nutritional uses (C13) | formulae, and foods for special medical purposes intended for infants and young children (powder) ⁽²³⁾ | |
| | | Infant formulae, follow-up formulae, foods for special medical purposes intended for infants and young children, and young- children formulae (liquid) ⁽²³⁾ | 6 |

(3-H): Maximum Levels of Polycyclic Aromatic Hydrocarbons (PAHs)

| Food Category (Code) | Product Name | Maximum level (µg/kg) | |
|-------------------------------|---|-----------------------|--|
| | | Benzo(a)pyrene | Sum of benzo(a)pyrene, benz(a)anthracene, benzo(b)fluoranthene, and chrysene |
| Oils and Fats (C2) | Oils and fats (excluding cocoa butter and coconut oil) intended for direct human consumption or use as an ingredient in food | 2 | 10 |
| Cocoa and Cocoa Products (C5) | Cocoa beans and derived products | 5 (fat) | 30 (fat) |
| Vegetables Oils (C2) | Coconut oil intended for direct human consumption or use as an ingredient in food | 2 | 20 |
| Meat (C8) | Smoked meat and smoked meat products | 2 | 12 |
| Fish and fish products (C9) | Muscle meat of smoked fish and smoked fishery products (25) (39) excluding fishery products listed hereafter (21) ML for smoked crustaceans applies to muscle meat from | 2 | 12 |

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| | appendages and abdomen . In case of smoked crabs and crab-like crustaceans (Brachyura and Anomura) this applies to muscle meat from appendages. | | |
| | Smoked sprats and canned smoked sprats ^{(25) (28)} (<i>Sprattus sprattus</i>); Smoked Baltic herring ≤ 14 cm length and canned smoked Baltic herring ≤ 14 cm length ⁽²⁵⁾⁽⁴⁰⁾ (<i>Clupea harengusmembras</i>); Katsuobushi (dried bonito, Katsuwonus pelamis); bivalve molluscs (fresh, chilled or frozen); heat-treated meat and heat-treated meat products ⁽⁴¹⁾ sold to the final consumer | 5 | 30 |
| Crustaceans and Mollusks (C9) | Bivalve molluscs (smoked) ⁽³⁹⁾ | 6 | 35 |
| Foodstuffs intended for particular nutritional uses (C13) | Processed cereal-based foods and foods for infants and young children ⁽²²⁾ | 1 | 1 |
| | Infant formulae and follow-up formulae, including infant milk ⁽²²⁾ | 1 | 1 |
| | Dietary foods for special medical purposes intended specifically for infants ⁽²²⁾ | 1 | 1 |
| Cocoa and Cocoa Products (C5) | Cocoa fiber and products derived from cocoa fiber, intended for use as an ingredient in food | 3 | 15 |
| Processed Fruit (C4) | Banana chips | 2 | 20 |
| Foodstuffs intended for | Food supplements containing | 10 | 50 |

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| | | | |
|--------------------------------------|---|----|----|
| particular nutritional uses (C13) | botanicals and their preparations. Food supplements containing propolis, royal jelly, spirulina or their preparations ⁽²³⁾ | | |
| Herbs (C12) | Dried herbs | 10 | 50 |
| Spices (C12) | Dried spices except Cardamon and smoked Capsicum spp. | 10 | 50 |
| Processed Food | Powders of food of plant origin for the preparation of beverages ⁽⁴²⁾ | 10 | 50 |

(3-J): Maximum Levels of Ethyl Carbamate

| Food Category (Code) | Product Name | Maximum level (µg/kg) |
|---------------------------|-----------------------------|-----------------------|
| Alcoholic Beverages (C14) | Table wines | 30 |
| | Fortified wines | 100 |
| | Distilled spirits | 150 |
| | Fruit brandies and liqueurs | 400 |
| | Sake | 200 |

Fourth - Other Contaminants

(3-k): Maximum Levels of Melamine and its Structural Analogues

| Food Category (Code) | Product Name | Maximum level (µg/kg) |
|--|--|-----------------------|
| Foodstuffs intended for particular nutritional uses (C13) | Powdered infant formula | 1 |
| | Liquid infant formulae | 0.15 |
| Other Foods except young children Formula | Food other than infant formulae and follow-up formulae ⁽⁴³⁾ (The ML applies | 2.5 |

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| | | |
|--|---|--|
| | to levels of melamine resulting from its unintentional and unavoidable presence in food). | |
|--|---|--|

(3-L): Maximum Levels of Perchlorate

| Contaminant Name | Food Category (Code) | Product Name | Maximum level (µg/kg) |
|------------------|---|--|-----------------------|
| Perchlorate | Vegetables (C4) and Herbs (C12) | Cucurbitaceae and Kale | 0.1 |
| | | Leaf vegetables and Herbs | 0.5 |
| | Fruits (C4) and Vegetables (C4) | Fruits and vegetables | 0.05 |
| | Herbal Drinks (Infusion) (C14) and fruit (C4) | Tea (<i>Camellia sinensis</i>), dried | 0.75 |
| | | Herbal and fruit infusions, dried | 0.75 |
| | Foodstuffs intended for particular nutritional uses (C13) | Infant formula, follow-up formula, foods for special medical purposes intended for infants and young children, and young children formulae | 0.01 |
| | | Foods for young children ⁽⁴⁾ | 0.02 |
| | Cereals and Cereal products (C6) | Processed cereal-based food ^{(4) (5)} | 0.01 |

Notes:

1. The maximum levels refer to the edible parts of groundnuts (peanuts) and nuts. When analyzing groundnuts (peanuts) and nuts in shell for the determination of the aflatoxin content, the contamination is assumed to be based on the edible parts, except the Brazil nuts.
2. The oilseeds are soybeans, whether or not broken; groundnuts (peanuts), whether or not roasted or cooked, whether peeled or broken; copra (the dried pith of the coconut palm fruit); linseed, whether broken; rapeseed, whether broken; and sunflowers seeds, whether broken; other oil-seeds and

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oleaginous fruit, whether broken; and flour and powders of oil-seeds and oleaginous fruit, other than mustard, melon seeds and derivative products.

3. In the case of processed, derivative or by-product products, the maximum levels are the permissible limits specified for the corresponding nut variety and also apply to derived/processed products.
4. The maximum level shall apply to products ready to eat (marketed as such or after reconstitution as instructed by the manufacturer).
5. In the case of milk and milk products, the maximum level refers to products that are ready to eat (marketed as such or after reconstitution as instructed by the manufacturer) and in the case of products other than milk and milk products, the maximum level refers to the dry matter.
6. Foodstuffs listed in this category in regard of fruit juices and some similar products intended for direct consumption, including: fruit juice, concentrated fruit juices, dried fruit juice/powder and fruit nectar.
7. The maximum level shall apply to pure and undiluted extract, obtained whereby 1 kg of extract is obtained from 3 to 4 kg liquorice root.
8. The maximum level shall apply to unprocessed cereals offered on the market "prepared for the first stage of processing".
9. "Prepared for the First Stage of Processing" means any physical or heat treatment, other than drying; cleaning, including sorting and drying procedures, may not be deemed "first-stage processing" as long as whole cereals remain intact after cleaning and sorting.
 - a) If the scoring or sieving process (purification means cleaning cereals) is used in the presence of ergot bodies, the cereals undergo the initial cleaning before cleaning, and scrubbing performed with dust suction, followed by color sorting prior to grinding.
 - b) "Integrated Production and Processing Systems" means the systems whereby all imported cereal quantities are cleaned, sorted and processed in the same establishment. Within integrated production and processing systems, the maximum level shall apply to unprocessed cereals after cleaning and sorting but before the initial stage of processing.
 - c) FBOs ensure compliance through the HACCP procedures where an effective control procedure is developed and implemented at the critical control point.
10. The exemption applies only for maize intended to be used in a wet milling process only (starch

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production).

11. Pasta (dry) means pasta containing a moisture content of 12%.
12. The maximum level refers to the product as handled.
13. Ergot alkaloids means a group of 12 compounds include:
Ergocristine/Ergocristinine, Ergotamine/Ergotaminine, Ergocryptine/Ergocryptinine,
Ergometrine/Ergometrinine, Ergosine/Ergosinine, Ergomaizeine/Ergomaizeinine.
14. Pyrrolizidine alkaloids mean the permissible maximum levels refers to a total of 21 (lower bound sum)
 - Intermedine/lycopsamine, intermedine-N-oxide/lycopsamine-N-oxide
 - Senecionine/senecivernine, senecionine-N-oxide/senecivernine-N-oxide
 - Seneciophylline, seneciophylline-N-oxide,
 - Retrorsine, retrorsine-N-oxide,
 - Echimidine, echimidine-N-oxide,
 - lasiocarpine, lasiocarpine-N-oxide,
 - Senkirkine,
 - Europine, europine-N-oxide
 - Heliotrine
 - Heliotrine-N-oxide

And the following additional 14 pyrrolizidine alkaloids known to co-elute with one or more of the above-identified 21 pyrrolizidine alkaloids, making use of certain currently used analytical methods:

- Indicine, echinatine, rinderine (possible co-elution with lycopsamine/intermedine)
- Indicine-N-oxide, echinatine-N-oxide, rinderine-N-oxide (possible co-elution with lycopsamine-N-oxide/intermedine-N-oxide)
- Integerrimine (possible co-elution with senecivernine/senecionine)
- Integerrimine-N-oxide (possible co-elution with senecivernine-N-oxide/senecionine-N-oxide)
- Heliosupine (possible co-elution with echimidine)
- Heliosupine-N-oxide (possible co-elution with echimidine-N-oxide)
- Spartioidine (possible co-elution with seneciophylline)
- Spartioidine-N-oxide (possible co-elution with seneciophylline-N-oxide)
- Usaramine (possible co-elution with retrorsine)
- Usaramine N-oxide (possible co-elution with retrorsine N-oxide) Pyrrolizidine alkaloids,

which can be individually and separately identified with the used method of analysis, shall be quantified and included in the sum.

Dried herbal infusions and tea refer to:

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- Herbal infusions (dried product) from flowers, leaves and herbs, roots, and any other parts of the plant (in sachets or in bulk)/tea (*Camellia sinensis*) (dried product) from dried leaves, stalks and flowers (in sachets or in bulk) used for the preparation of herbal infusion (liquid product)/tea (liquid product).
 - Instant tea/herbal tea. In the case of powdered tea extracts, a concentration factor of 4 shall be applied.
15. The maximum level shall apply to the food supplements as sold.
 16. The following substances shall be estimated in the group of Okadaic acid (OA) compounds:
 - Okadaic acid (OA) group: OA, DTX1 and DTX2, their esters (DTX3) Pectenotoxins group toxins: PTX1 and PTX
 17. The following substances shall be estimated in the group of Saxitoxin (STX) compounds:
 - Saxitoxin (STX) group: Saxitoxin (STX), (NEO), (dcSTX), GTX1, GTX2, GTX3, GTX4, GTX5, GTX6, dcGTX2, dcGTX3, C1, C2, C3, C4
 18. The following substances shall be estimated in the group of Azaspiracid (AZP) compounds:
 - Azaspiracids (AZP) group: AZA 1, AZA 2 and AZA 3
 19. The following substances shall be estimated in the group of Yessotoxins (YTX) compounds:
 - Yessotoxins group toxins: YTX, 45 OH YTX, homo YTX and 45 OH homo YTX
 20. The maximum level shall apply to the animal as sold without entrails.
 21. Muscle meat from appendages and abdomen. This definition excludes the cephalothorax of crustaceans. In case of crabs and crab-like crustaceans (*Brachyura* and *Anomura*) muscle meat from appendages.
 22. The maximum level shall refer to the product as sold.
 23. The maximum level shall apply to the food supplements as sold.
 24. The maximum level shall refer to ready-to-use products (marketed as such or after reconstruction in accordance with the manufacturer's instructions).
 25. If the whole fish is to be eaten, the maximum level shall apply to the whole fish.
 26. Fish listed in this category as defined in Category (A), except for fish liver.
 27. The maximum level shall be applied after the fruit or vegetable is washed, and the edible part is separated.
 28. The maximum level shall apply to the animal as sold without viscera.
 29. Sum of As (III) and As (V).
 30. Rice, husked rice, milled rice and parboiled rice as defined in Codex Standard 198-1995.
 31. Definition and list of dioxin compounds and dioxin analogues and the toxicity equivalent of each compound.
 - Dioxins (sum of polychlorinated dibenzo-para-dioxins (PCDDs) and polychlorinated dibenzofurans (PCDFs), expressed as World Health Organization (WHO) toxic equivalent using the WHO-toxic equivalency factors (WHO-TEFs)) and the sum of dioxins and dioxin-like PCBs (sum of PCDDs, PCDFs and polychlorinated biphenyls (PCBs), expressed as WHO toxic equivalent using the WHO-TEFs). - WHO-TEFs for human risk assessment based on the conclusions of the World Health Organization (WHO) – International Programme on Chemical Safety (IPCS).

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- Toxic Equivalency Factors for Dioxins and Dioxin-like Compounds.

| Congener | TEF value | Congener | TEF value |
|------------------------------------|-----------|--|-----------|
| Dibenzo-p-dioxins ('PCDDs') | | 'Dioxin-like' PCBs Non-ortho PCBs + Mono-ortho PCBs | |
| 2,3,7,8-TCDD | 1 | Non-ortho PCBs | |
| 1,2,3,7,8-PeCDD | 1 | PCB 77 | 0.0001 |
| 1,2,3,4,7,8-HxCDD | 0.1 | PCB 81 | 0.0003 |
| 1,2,3,6,7,8-HxCDD | 0.1 | PCB 126 | 0.1 |
| 1,2,3,7,8,9-HxCDD | 0.1 | PCB 169 | 0.03 |
| 1,2,3,4,6,7,8-HpCDD | 0.01 | | |
| OCDD | 0.0003 | | |
| Dibenzofurans ('PCDFs') | | Mono-ortho PCBs | |
| 2,3,7,8-TCDF | 0.1 | PCB 105 | 0.00003 |
| 1,2,3,7,8-PeCDF | 0.03 | PCB 114 | 0.00003 |
| 2,3,4,7,8-PeCDF | 0.3 | PCB 118 | 0.00003 |
| 1,2,3,4,7,8-HxCDF | 0.1 | PCB 123 | 0.00003 |
| 1,2,3,6,7,8-HxCDF | 0.1 | PCB 156 | 0.00003 |
| 1,2,3,7,8,9-HxCDF | 0.1 | PCB 157 | 0.00003 |
| 2,3,4,6,7,8-HxCDF | 0.1 | PCB 167 | 0.00003 |
| 1,2,3,4,6,7,8-HpCDF | 0.01 | PCB 189 | 0.00003 |
| 1,2,3,4,7,8,9-HpCDF | 0.01 | | |
| OCDF | 0.003 | | |

Abbreviations used: 'T' = tetra; 'Pe' = penta; 'Hx' = hexa; 'Hp' = hepta; 'O' = octa; 'CDD' = chlorodibenzodioxin; 'CDF' = chlorodibenzofuran; 'CB' = chlorobiphenyl.

32. Establishment of Upperbound concentrations:

- Upperbound concentrations are calculated on the assumption that all the values of the different congeners below the limit of quantification are equal to the limit of quantification.

33. The maximum level is not applicable for foods containing < 2 % fat. For foods containing less than 2 % fat, the maximum applicable level is the level on product basis corresponding to the level, making use of following formula:

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The maximum level expressed on product basis for foods containing less than 2 % fat = maximum level expressed on fat for that food x 0,02.

34. Foodstuffs listed in this category are as follows:

| |
|--|
| Liver fish, fish fresh or chilled excluding fish fillets and other fish meat |
| Fish, dried, salted, or in brine, smoked fish |
| Crustaceans and molluscs |
| Prepared or preserved fish , caviar and caviar substitutes prepared from fish eggs |
| Crustaceans , molluscs and other aquatic invertebrates Prepared or preserved |

35. In the case of canned fish liver, the maximum level shall apply to the edible content of the can.
36. The maximum levels may not apply to fresh spinach to be subjected to processing and which is directly transported in bulk from field to processing plant.
37. The maximum level is given for the liquid product containing 40 % of dry matter, corresponding to a maximum level of 50 µg/kg in the dry matter. The maximum level needs to be adjusted proportionally according to the dry matter content of the products.
38. The oils and fats used as ingredient for the mixture shall comply with the maximum level established for the oil and fat. The percentages of the ingredients in the product listed in this technical regulations shall be taken into account. In case the quantitative composition is not known, the level of the sum of 3-MCPD and 3-MCPD fatty acid esters, expressed as 3-MCPD in the mixture may in any case not exceed 2 500 µg/kg.

39. Foodstuffs listed in this category are as follows:

| |
|---|
| Fish, dried, salted, or in brine; smoked fish, whether or not cooked before or during the smoking process; flours, meals, and pellets of fish, fit for human consumption |
| Crustaceans, whether in shell or not, live, fresh, chilled, frozen, dried, salted, or in brine; crustaceans, in shell, cooked by steaming or by boiling in water, whether or not chilled, frozen, dried, salted or in brine; flours, meals, and pellets of crustaceans, fit for human consumption |
| Molluscs, whether in shell or not, live, fresh, chilled, frozen, dried, salted, or in brine; aquatic invertebrates other than crustaceans and molluscs, live, fresh, chilled, frozen, dried, salted, or in brine; flours, meals, and pellets of aquatic invertebrates other than crustaceans, fit for human consumption |
| Crustaceans, molluscs and other aquatic invertebrates, prepared or preserved |

40. For the canned product, the analysis shall be carried out on the whole content of the can. As regards the maximum level for the whole composite product.
41. Meat and meat products that have undergone a heat treatment are likely to result in formation of PAH, i.e. only grilling and barbecuing.

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42. The preparation of beverages refers to the use of powders that are finely ground and are to be stirred into drinks.
43. The maximum level may not apply to food for which it can be proven that the level of melamine higher than 2,5 mg/kg is the consequence of authorized use of cyromazine as insecticide. The melamine level may not exceed the level of cyromazine or migration from food contact materials, taking into account any locally permissible migration limit. The maximum level may not apply to melamine which can be present in the following foodstuff ingredients/additives: guanidine acetic acid (GAA), urea and biuret, as a result of normal production processes.

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**Appendix (4): A list of the Permissible Maximum Levels for
Chemical Contaminants in Different Food Categories
(Classified According to Food Categories, not Inconsistent
with Appendix (3))**

Category of Milk Products and Analogues- Category Code (C1)

| Product Name | Aflatoxin M1 µg/kg | Lead (Pb) mg/kg | Sum of Dioxins (WHO- PCDD/F-TEQ) pg/g fat | Sum of Dioxins and Dioxin-like PCBs (WHO-PCDD/F- PCB-TEQ) pg/g fat | Sum of PCBs congeners (28, 52, 101, 138, 153, 180) ng/g fat |
|---|-------------------------------|--------------------------------|--|---|--|
| Raw milk, heat-treated milk, and milk used to manufacture milk-based products | 0.05 | 0.02 | | | |
| Milk by-products (concentration applies to the final product), concentration factor applies to partially or completely dried milk | | 0.02 | | | |
| Raw milk and milk products, including butter fat | | | 2.5 | 5.5 | 40 |

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Category of Fats, Oils and Fat Emulsions - Category Code (C2)

| Product Name | Zearalenone (ZON) µg/kg | Erucic acid g/kg | Arsenic (As) mg/L | Lead (Pb) mg/kg | Cadmium (Cd) mg/kg | Sum of Dioxins (PCDD/F-TEQ) pg/g fat | Sum of Dioxins and dl-like PCBs (PCDD/F- pg/g f PCB-TEQ) | Sum of PCBs (28, 52, 101, 138, 153, 180) ng/g f | 3-MCPD µg/kg | Glycidol µg/kg | PAHs: BaB (Sum BaA, BbFA, CHR) µg/kg |
|--|--------------------------------|-------------------------|--------------------------|------------------------|---------------------------|---|---|--|---------------------|-----------------------|---|
| Refined maize oil | 400 | 20 | | | | | | | | | |
| Vegetable oils and fats offered on the market for the final consumer or for use as an ingredient in food, with the exception of camelina oil, mustard oil and bee bread oil (borage) | | 20 | | | | | | | | | |
| Camelina oil, mustard oil and bee bread oil (borage) | | 50 | | | | | | | | | |
| Edible oils and fats for direct use | | | | 0.08 | | | | | | | |
| Spreadable fats and mixtures thereof | | | 0.1 | 0.04 | | | | | | | |
| Edible oils and fats, including milk fat - (whole commodity) - (except fish oil) | | | 0.1 | 0.10 | | | | | | | |
| Oilseeds except rapeseed, groundnuts (peanuts), soybean, mustard seed, flax seed, sunflower seed and poppy seed | | | | | 0.1 | | | | | | |
| Rapeseed | | | | | 0.1 | | | | | | |
| Mustard seed | | | | | 0.3 | | | | | | |
| Flax seed and sunflower seed | | | | | 0.5 | | | | | | |

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| Product Name | Zearalenone (ZON) µg/kg | Eruict acid g/kg | Arsenic (As) mg/L | Lead (Pb) mg/kg | Cadmium (Cd) mg/kg | Sum of Dioxins (PCDD/F-TEQ) pg/g fat | Sum of Dioxins and dl-like PCBs (PCDD/F- pg/g f PCB-TEQ) | Sum of PCBs (28, 52, 101, 138, 153, 180) ng/g f | 3-MCPD µg/kg | Glycidol µg/kg | PAHs: BaA, BbA, BbFA, CHR) µg/kg |
|---|--------------------------------|-------------------------|--------------------------|------------------------|---------------------------|---|---|--|---------------------|-----------------------|---|
| Poppy seed | | | | | 1.2 | | | | | | |
| Marine oils (fish body oil, fish liver oil, and oils of other marine organisms intended for consumption) | | | | | | 1.75 | 6.0 | 200 | | | |
| Butter fat | | | | | | 2.5 | 5.5 | 40 | | | |
| Fat from cows and sheep | | | | | | 2.5 | 4.0 | 40 | | | |
| Fat from poultry | | | | | | 1.75 | 3.0 | 40 | | | |
| Fat from pigs | | | | | | 1.0 | 1.25 | 40 | | | |
| Mixture of animal fats | | | | | | 1.5 | 2.5 | 40 | | | |
| Vegetable oils and fats | | | | | | 0.75 | 1.25 | 40 | | | |
| Vegetable Oils and fats, fish oils and oils from other marine organisms offered on the market to the final consumer or to be used as an ingredient in foods falling within the following categories, except foods referred to hereinafter and virgin olive oils | | | | | | | | | 1250 | 1000 | |
| Other vegetable oils (including olive-pomace oil), fish oils, oils of other marine organisms, mixtures of oils and fats with only oils and fats of this | | | | | | | | | 2500 | | |

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**Category of Fruit and Vegetable (Including Mushrooms and Other Fungi, Roots
and Tubers, Legumes and Pulses, Aloe Vera), Seaweed, Nuts and Seeds - Category
Code (C4)**

| Product Name | Aflatoxin B1 (Sum B1 ,B2 ,G1,G2) µg/kg | Ochratoxin A µg/kg | Patulin µg/kg | Hydrocyanic acid µg/kg | Cadmium (Cd) mg/kg | Lead (Pb) mg/kg | Tin (Sn) mg/kg | Nitrate mg/kg | PAHs: BaB (Sum BaA, BbFA, CHR) µg/kg | Perchlorate mg/kg |
|--|---|---------------------------|----------------------|-------------------------------|-------------------------------|----------------------------|---------------------------|----------------------|---|--------------------------|
| Dried fruits other than dried figs, which will be sorted and treated with any natural treatments before being directly consumed, or used in the preparation of other food products | 5 (10) | | | | | | | | | |
| Dried figs | 6 (10) | | | | | | | | | |
| Dried fruit - other than dried figs - intended for direct consumption or used as an ingredient in other food products | 2 (4) | | | | | | | | | |
| Solid apple products, including apple compote and apple puree for direct consumption, except for products used for infant and young children | | | 25 | | | | | | | |
| Unprocessed apricot kernels, ground, crushed, | | | | 20 | | | | | | |

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| Product Name | Aflatoxin B1 (Sum B1 ,B2 ,G1,G2) µg/kg | Ochratoxin A µg/kg | Patulin µg/kg | Hydrocyanic acid µg/kg | Cadmium (Cd) mg/kg | Lead (Pb) mg/kg | Tin (Sn) mg/kg | Nitrate mg/kg | PAHs: BaB (Sum BaA, BbFA, CHR) µg/kg | Perchlorate mg/kg |
|--|---|---------------------------|----------------------|-------------------------------|-------------------------------|----------------------------|---------------------------|----------------------|---|--------------------------|
| chopped - intended for direct consumption | | | | | | | | | | |
| Berry and other small fruits (the maximum level may not be applied to red and black cranberries and raisins). Fruit: whole fruits of berry and other small fruits. Pome fruit: the whole commodity after removing the stem. Kernel fruits: dates and olives: the whole commodity after removing the stem and kernel, but the maximum level shall be calculated and expressed on the basis of the whole fruits without the stems. Pineapple: the whole fruit after removing the crown. Avocados, mangoes and analogues with hard seeds: (whole commodity after removing the kernel but calculated on the basis of whole fruit) | | | | | | 0.1 | | | | |

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| Product Name | Aflatoxin B1 (Sum B1 ,B2 ,G1,G2) µg/kg | Ochratoxin A µg/kg | Patulin µg/kg | Hydrocyanic acid µg/kg | Cadmium (Cd) mg/kg | Lead (Pb) mg/kg | Tin (Sn) mg/kg | Nitrate mg/kg | PAHs: BaB (Sum BaA, BbFA, CHR) µg/kg | Perchlorate mg/kg |
|---|---|---------------------------|----------------------|-------------------------------|-------------------------------|----------------------------|---------------------------|----------------------|---|--------------------------|
| Red cranberries, raisins, and blackberries (elderberry) | | | | | | 0.2 | | | | |
| Canned fruit | | | | | | 0.1 | | | | |
| Jam, jelly and marmalade | | | | | | 0.4 | | | | |
| Mango chutney | | | | | | 0.4 | | | | |
| Fruit juices are not concentrated juices or may be reconstituted to the original juice concentration, ready to drink, and also include nectars, and do not include berry juices or small fruit. | | | | | | 0.03 | 150 | | | |
| Berry or small fruit juices are not concentrated juices that may be reconstituted to the original juice concentration and is ready to drink and also include nectar and do not apply to grape juice. | | | | | | 0.05 | | | | |
| Grape juices are not concentrated juices or may be reconstituted to the | | | | | | 0.04 | | | | |

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| Product Name | Aflatoxin B1 (Sum B1 ,B2 ,G1,G2) µg/kg | Ochratoxin A µg/kg | Patulin µg/kg | Hydrocyanic acid µg/kg | Cadmium (Cd) mg/kg | Lead (Pb) mg/kg | Tin (Sn) mg/kg | Nitrate mg/kg | PAHs: BaB (Sum BaA, BbFA, CHR) µg/kg | Perchlorate mg/kg |
|--|---|---------------------------|----------------------|-------------------------------|-------------------------------|----------------------------|---------------------------|----------------------|---|--------------------------|
| Grape juice, reconstituted grape juice concentrate, grape nectar and reconstituted grape pastes used for direct consumption | | 2 | | | | | | | | |
| Cabbage and kohlrabi heads: the basic product as marketed, the whole commodity after removing the obviously decomposed or withered leaves. Cauliflower and broccoli: flower heads (immature inflorescence only). Brussels sprouts: “buttons” only | | | | | 0.05 | 0.1 | | | | |
| Bulb vegetables: Bulb/dry onions and garlic: whole product after removal of roots and adhering soil and whatever parchment skin is easily detached. | | | | | 0.05 | 0.1 | | | | |
| Fruiting vegetables: Whole commodity after removal of stems. Sweet maize and fresh maize: kernels plus cob without husk. The | | | | | 0.05 | 0.05 | | | | |

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| Product Name | Aflatoxin B1 (Sum B1 ,B2 ,G1,G2) µg/kg | Ochratoxin A µg/kg | Patulin µg/kg | Hydrocyanic acid µg/kg | Cadmium (Cd) mg/kg | Lead (Pb) mg/kg | Tin (Sn) mg/kg | Nitrate mg/kg | PAHs: BaB (Sum BaA, BbFA, CHR) µg/kg | Perchlorate mg/kg |
|---|---|---------------------------|----------------------|-------------------------------|-------------------------------|----------------------------|---------------------------|----------------------|---|--------------------------|
| maximum level may not apply to fungi and mushrooms | | | | | | | | | | |
| Leafy vegetables: Whole commodity as usually marketed, after removing the obviously decomposed or withered leaves. The maximum level may not apply to spinach | | | | | 0.2 | 0.3 | | | | |
| Legume vegetables: Whole commodity as consumed. The succulent forms may be consumed as whole pods or as the shelled product. | | | | | 0.1 | 0.1 | | | | |
| Root and tuber vegetables: Whole commodity after removing tops. Remove adhering soil (e.g. by rinsing in running water or by gentle brushing of the dry product). Potato: peeled potato. | | | | | 0.1 | 0.1 | | | | |
| Stalk and stem vegetables: (except leek) Whole commodity as marketed after removal of obviously | | | | | 0.03 | | | | | |

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| Product Name | Aflatoxin B1 (Sum B1 ,B2 ,G1,G2) µg/kg | Ochratoxin A µg/kg | Patulin µg/kg | Hydrocyanic acid µg/kg | Cadmium (Cd) mg/kg | Lead (Pb) mg/kg | Tin (Sn) mg/kg | Nitrate mg/kg | PAHs: BaB (Sum BaA, BbFA, CHR) µg/kg | Perchlorate mg/kg |
|--|---|---------------------------|----------------------|-------------------------------|-------------------------------|----------------------------|---------------------------|----------------------|---|--------------------------|
| decomposed or withered leaves. | | | | | | | | | | |
| Pulses | | | | | | 0.1 | | | | |
| Cereal grain: whole commodity (maximum levels may not apply to dry soybeans) | | | | | 0.04 | | | | | |
| Canned vegetables (Ready-to-eat) | | | | | | 0.1 | | | | |
| Preserved tomatoes | | | | | | 0.05 | | | | |
| Table olives | | | | | | 0.4 | | | | |
| Pickled cucumbers (cucumber pickles) | | | | | | 0.1 | | | | |
| Canned chestnuts and canned chestnuts puree | | | | | | 0.05 | | | | |
| Fresh mushrooms such as (common mushrooms (Agaricus bisporous), shiitake and oyster mushrooms) | | | | | | 0.3 | | | | |
| Fresh spinach | | | | | | | | 3500 | | |
| Canned, frozen or blast frozen spinach | | | | | | | | 2000 | | |

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| Product Name | Aflatoxin B1 (Sum B1 ,B2 ,G1,G2) µg/kg | Ochratoxin A µg/kg | Patulin µg/kg | Hydrocyanic acid µg/kg | Cadmium (Cd) mg/kg | Lead (Pb) mg/kg | Tin (Sn) mg/kg | Nitrate mg/kg | PAHs: BaB (Sum BaA, BbFA, CHR) µg/kg | Perchlorate mg/kg |
|---|---|--------------------|---------------|------------------------|-----------------------|--------------------|-------------------|---------------|---|-------------------|
| consumption or used in other food products | | | | | | | | | | |
| Pine | | | | | 0.3 | | | | | |

Category of Confectionery and Cocoa Products - Category Code (C5)

| Product Name | Benzo(a)pyrene µg/kg fat | Sum of benzo(a)- pyrene, benz(a)anthracene, benzo(b)fluoranthene, and chrysene µg/kg fat | Cadmium (Cd) mg/kg |
|---|-----------------------------|--|--------------------------|
| Milk chocolate with < 30 % total dry cocoa solids | | | 0.10 |
| Chocolate with < 50 % total dry cocoa solids; milk chocolate with ≥ 30 % total dry cocoa solids | | | 0.30 |
| Chocolate containing or declaring ≥ 50% to < 70% total cocoa solids basis on a dry matter in the final product including sweet chocolate, gianduja chocolate, semi – bitter table chocolate, vermicelli chocolate / chocolate flakes, and bitter table chocolate | | | 0.60 |
| Chocolate containing or declaring ≥ 70% total cocoa solids on a dry matter basis including gianduja chocolate, sweet chocolate, semi – bitter table chocolate, vermicelli chocolate / chocolate flakes, and bitter table chocolate | | | 0.90 |
| Cocoa beans and cocoa beans products | 5 | 30 | |

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| | | | |
|---|---|----|--|
| Cocoa fiber and products derived from cocoa fibers, intended for use as food ingredient | 3 | 15 | |
|---|---|----|--|

Cereals and Cereal Products, Derived from Cereal Grains, Pith or Softcore of Palm Tree

(Excluding Bakery Products of Food Category (C7)) - Category Code (C6)

| Product Name | Aflatoxin B1 (Sum B1 ,B2 ,G1,G2) µg/kg | Deoxynivalenol (DON) µg/kg | Fumonisin (B1 and B2) µg/kg | Zearalenone (ZON) µg/kg | Ochratoxin A µg/kg | Ergot Alkaloids µg/kg | Tropane alkaloids (Atropine – Scopolamine) µg/kg | Arsenic (As) mg/kg | Cadmium (Cd) mg/kg |
|--|--|----------------------------|-----------------------------|-------------------------|--------------------|-----------------------|--|--------------------|--------------------|
| Maize and rice, which are sorted or treated with other natural treatments before being used for direct consumption or in the preparation of other food products | 5 (10) | | | | | | | | |
| Rice grains that have been bleached for direct consumption | | | | | | | | | 0.4 |
| Husked rice | | | | | | | | 0.35 | |
| Polished rice (includes Non-parboiled ground rice) | | | | | | | | 0.2 | |
| Parboiled and husked rice | | | | | | | | 0.25 | |
| Rice waffles, rice wafers, rice crackers and rice cakes | | | | | | | | 0.3 | |
| Maize-based breakfast cereals and maize-based snacks | | | 800 | | | | | | |
| Whole maize grain intended for further processing with the aim of reducing DDE levels before being used as an ingredient in foodstuffs, or marketed for direct consumption | | 2000 | | | | | | | |
| Unprocessed maize with the | | 1750 | | | | | | | |

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| Product Name | Aflatoxin B1 (Sum B1 ,B2 ,G1,G2) µg/kg | Deoxynivalenol (DON) µg/kg | Fumonisin (B1 and B2) µg/kg | Zearalenone (ZON) µg/kg | Ochratoxin A µg/kg | Ergot Alkaloids µg/kg | Tropane alkaloids (Atropine – Scopolamine) µg/kg | Arsenic (As) mg/kg | Cadmium (Cd) mg/kg mg/kg |
|--|---|---------------------------------------|--|--------------------------------|---------------------------|------------------------------|---|-------------------------------|-------------------------------------|
| exception of unprocessed maize intended to be processed by wet milling | | | | | | | | | |
| Flour, semolina and cereal products from chips derived from maize | | 1000 | | | | | | | |
| Milling fractions of maize and other milling fractions of maize products with particle size >500 microns (not intended for direct consumption) | | 750 | 1400 | 200 | | | | | |
| Milling fractions of maize and other milling fractions of maize products with particle size ≤ 500 micron (not intended for direct consumption) | | 1250 | 2000 | 300 | | | | | |
| Unprocessed maize with the exception of unprocessed maize intended to be processed by wet milling | | | | 350 | | | | | |
| Maize intended for direct human consumption, maize-based snacks and maize-based breakfast cereals | | | | 100 | | | | | |
| Maize and maize-based foods for direct human consumption except for breakfast foods, snacks and foods for young children | | | 1000 | | | | | | |
| Raw maize grains (unprocessed), except those that have been wet milled | | | 4000 | | | | | | |

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| Product Name | Aflatoxin B1 (Sum B1 ,B2 ,G1,G2) µg/kg | Deoxynivalenol (DON) µg/kg | Fumonisin (B1 and B2) µg/kg | Zearalenone (ZON) µg/kg | Ochratoxin A µg/kg | Ergot Alkaloids µg/kg | Tropane alkaloids (Atropine – Scopolamine) µg/kg | Arsenic (As) mg/kg | Cadmium (Cd) mg/kg mg/kg |
|---|---|-----------------------------------|------------------------------------|--------------------------------|---------------------------|------------------------------|---|---------------------------|---------------------------------|
| Maize flour and maize flour meals | | | 2000 | | | | | | |
| Maize-based breakfast cereals and maize-based snacks | | | 800 | | | | | | |
| Processed cereal-based foods and foods for infants and young children, containing millet, sorghum, wheat, maize or their derived products | | | | | | | Atropine 1.0 Scopolamine 1.0 | | |
| Unprocessed maize (with the exception of unprocessed maize intended to be processed by wet milling and unprocessed maize for popping) | | | | | | | 15 | | |
| Maize for popping, millet, sorghum and maize placed on the market for the final consumer and their ground products | | | | | | | 5 | | |
| Wheat gluten | | | | | | 400 | | | |
| Whole-wheat grains intended for further processing with the aim of reducing levels of DDE before being used as an ingredient in foodstuffs, or offered for human consumption. | | 2000 | | | 0.8 | | | | |
| Unprocessed durum wheat and oats | | 1750 | | | | | | | |
| Flour, semolina and cereal products from flakes derived from wheat | | 1000 | | | | | | | |
| Durum wheat placed on the market | | | | | | | 10.0 | | |

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| Product Name | Aflatoxin B1 (Sum B1 ,B2 ,G1,G2) µg/kg | Deoxynivalenol (DON) µg/kg | Fumonisin (B1 and B2) µg/kg | Zearalenone (ZON) µg/kg | Ochratoxin A µg/kg | Ergot Alkaloids µg/kg | Tropane alkaloids (Atropine – Scopolamine) µg/kg | Arsenic (As) mg/kg | Cadmium (Cd) mg/kg mg/kg |
|--|---|---------------------------------------|--|--------------------------------|---------------------------|------------------------------|---|-------------------------------|-------------------------------------|
| including processed cereal products, except for cereals treated before direct consumption, cereal products for infants and young children, and Foodstuffs intended for particular nutritional uses, whether for medical purposes or for children's. | | | | | | | | | |
| Raw cereals (unprocessed) | | | | | 5 | | | | |
| All products derived from unprocessed cereals, including processed cereal products and cereals intended for direct human consumption | | | | | 3 | | | | |
| Unprocessed cereals other than wheat, oats and maize | | 1250 | | | | | | | |
| Cereals intended for direct human consumption, cereal flour, bran and germ as end product marketed for direct human consumption, except for those used in the preparation of young children and infant foods and large particles of maize that are not fit for consumption | | 750 | | | | | | | |
| Unprocessed cereals except maize | | | | 100 | | | | | |
| Cereals intended for direct human consumption, cereal flour, bran and germ as end product marketed for direct human consumption, except | | | | 75 | | | | | |

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| Product Name | Aflatoxin B1 (Sum B1 ,B2 ,G1,G2) µg/kg | Deoxynivalenol (DON) µg/kg | Fumonisin (B1 and B2) µg/kg | Zearalenone (ZON) µg/kg | Ochratoxin A µg/kg | Ergot Alkaloids µg/kg | Tropane alkaloids (Atropine – Scopolamine) µg/kg | Arsenic (As) mg/kg | Cadmium (Cd) mg/kg mg/kg |
|--|---|---------------------------------------|--|--------------------------------|---------------------------|------------------------------|---|-------------------------------|-------------------------------------|
| for those used in the preparation of young children and infant foods and large particles of maize that are not fit for consumption | | | | | | | | | |

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Category of Bakery Wares - Category Code (C7)

| Product Name | Zearalenone (ZON) µg/kg | Deoxynivalenol (DON) µg/kg |
|--|-------------------------|----------------------------|
| Bread (includes small bakery products), pastries, biscuits, cereal snacks and breakfast cereals | | 500 |
| Bread (including small bakery products), pastries, biscuits, cereal snacks and breakfast cereals, excluding maize-snacks and maize-based breakfast cereals | 50 | |

Category of Meat and Meat Products, Including Poultry and Game Meat - Category Code (C8)

| Product Name | Lead (Pb) mg/kg | Cadmium (Cd) mg/kg | Tin (Sn) mg/kg | Sum of Dioxins (PCDD/F-TEQ) pg/g fat | Sum of Dioxins and Dioxin-like PCBs (PCDD/F-PCB-TEQ) pg/g fat | Sum of PCBs (28, 52, 101, 138, 153, 180) ng/g fat | PAHs: BaB (Sum BaA, BbFA, CHR) |
|--|-----------------|--------------------|----------------|--------------------------------------|---|---|--------------------------------|
| Meat of bovine animals, pig and sheep – the whole commodity without bones and fats | 0.1 | 0.05 | | | | | |
| Meat and fats of poultry - the whole commodity without bones | 0.1 | 0.05 | | | | | |
| Edible offal (whole commodity) of Bovine animals and Sheep: offal that can be consumed (includes head, heart, kidneys, liver, tongue and stomach) | 0.2 | | | | | | |
| Edible offal (whole commodity) of pig and offal that can be consumed (includes blood, head, heart, kidneys, liver and tongue) | 0.15 | | | | | | |
| The edible offal of poultry includes edible tissue obtained from slaughtered poultry, the maximum level shall apply to the following edible offal: heart, liver, kidney, stomach and thyroid gland | 0.1 | | | | | | |
| Meat (excluding offal) of bovine animals, sheep and pig | | 0.05 | | | | | |
| Meat (excluding offal) of horse | | 0.2 | | | | | |
| Liver of bovine animals, sheep, pigs, poultry and horses | | 0.5 | | | | | |
| Kidneys of bovine animals, sheep, pigs, poultry and horses | | 1.0 | | | | | |
| Cooked chopped cured meats (maximum level shall apply to non-canned products) | | | 50 | | | | |
| Cooked cured pork (maximum level shall apply to non-canned products) | | | 50 | | | | |
| Cured shoulder meat of pig (maximum level shall apply to non-canned products) | | | 50 | | | | |

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| | | | | | | | |
|---|--|-----|----|--------------|-------------|-----------|--------|
| Canned beef (maximum level shall apply to non-canned products) | | | 50 | | | | |
| Luncheon meat (maximum level shall apply to non-canned products) | | | 50 | | | | |
| Meat and meat products of bovine animals and sheep | | | | 2.5 | 4 | 40 | |
| Poultry meat and poultry meat products | | | | 1.75 | 3 | 40 | |
| Pig meat and pig meat products | | | | 1.0 | 1.25 | 40 | |
| Liver of terrestrial animals, except sheep and products derived therefrom | | 0.5 | | 0.3 pg/g ww | 0.5 pg/g ww | 3 ng/g ww | |
| Sheep liver and derived products | | 0.5 | | 1.25 pg/g ww | 2 pg/g ww | 3 ng/g ww | |
| Smoked meat and smoked meat products | | | | | | | 2 (12) |

Category of Fish and Fish Products, Including Crustaceans, Mollusks and Echinoderms - Category Code (C9)

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| | | | | | | | | | | | | | | |
|---|-----|--|--|--|-----|-----|-----|--|--|--|--|--|--|--|
| species), swordfish (<i>Xiphias gladius</i>), sardine (<i>Sardina pilchardus</i>) | | | | | | | | | | | | | | |
| Crustaceans: muscle meat from appendages and abdomen. In the case of crabs and crab-like crustaceans (Brachyura and Anomura) muscle meat from appendages. | 0.5 | | | | | | | | | | | | | |
| Muscle meat of fish and fishery products and products thereof, with the exemption of: - wild caught eel - wild caught spiny dogfish (<i>Squalus acanthias</i>) - wild caught fresh water fish, with the exception of diadromous fish species caught in fresh water - fish liver and derived products - marine oils | | | | | 3.5 | 6.5 | 75 | | | | | | | |
| Muscle meat of wild caught fresh water fish, with the exception of diadromous fish species caught in fresh water, and products thereof | | | | | 3.5 | 6.5 | 125 | | | | | | | |
| Muscle meat of wild caught spiny dogfish (<i>Squalus acanthias</i>) and products thereof | | | | | 3.5 | 6.5 | 200 | | | | | | | |
| Muscle meat of wild caught eel (<i>Anguilla anguilla</i>) and products thereof | | | | | 3.5 | 10 | 300 | | | | | | | |

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| | | | | | | | | | | | | | | |
|--|--|--|--|--|------|----|-----|--|--|--|--|--|--|--------|
| Fish liver and derived products thereof with the exception of marine oils | | | | | - | 20 | 200 | | | | | | | |
| Marine oils (fish body oil, fish liver oil and oils of other marine organisms intended for human consumption) | | | | | 1.75 | 6 | 200 | | | | | | | |
| Muscle meat of smoked fish and smoked fishery products, excluding fishery products listed below | | | | | | | | | | | | | | 2 (12) |
| Smoked sprats and canned smoked sprats (Sprattus sprattus); Smoked Baltic herring ≤ 14 cm length and canned smoked Baltic herring ≤ 14 cm length (Clupea harengus membras); Katsuobushi (dried bonito, Katsuwonus pelamis); bivalve molluscs (fresh, chilled or frozen); heat treated meat and heat treated meat products sold to the final consumer | | | | | | | | | | | | | | 5 (30) |
| Bivalve mollusks (smoked) | | | | | | | | | | | | | | 6 (35) |

Category of Eggs and Egg Products - Category Code (C10)

| Product Name | Sum of Dioxins (PCDD/F-TEQ) pg/g fat | Sum of Dioxins and Dioxin-like PCBs (PCDD/F-PCB-TEQ) pg/g fat | Sum of PCBs (28, 52, 101, 138, 153, 180) ng/g fat |
|---|---|--|--|
| Eggs (Hen eggs and egg products) not heat treated | 2.5 | 5.0 | 40 |

Category of Sweeteners, Including Honey - Category Code (C11)

| Product Name | Lead (Pb mg/kg) | Arsenic (As) mg/kg |
|--------------|--------------------|--------------------|
| Honey bee | 0.1 | |

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| | | |
|---------|--|-----|
| Sucrose | | 0.5 |
|---------|--|-----|

**Category of Food Grade Salt, Spices, Soups, Sauces, Salads, and Protein Products -
Category Code (C12)**

| Product Name | Aflatoxin B1 (Sum B1, B2, G1, G2) µg/kg | Ochratoxin A µg/kg | Erucic acid g/kg | Pyrrolizidine alkaloids µg/kg | Tropane alkaloids µg/k | Arsenic (As) mg/kg | Cadmium (Cd) mg/kg | Lead (Pb) mg/kg | Mercury (Hg) mg/kg | 3-MCPD µg/kg | PAHs: BaB (Sum BaA, BbFA, CHR) µg/kg |
|---|--|--------------------|------------------|-------------------------------|------------------------|--------------------|--------------------|-----------------|--------------------|--------------|---|
| Hydrolyzed vegetable protein | | | | | | | | | | 20 | |
| Soy sauce | | | | | | | | | | 20 | |
| Spices: the following species such as sweet and hot pepper in dried whole or ground form, black and white pepper, nutmeg (<i>Myristica fragrans</i>), ginger (<i>Zingiber officinale</i>), turmeric (<i>Curcuma longa</i>), and any mixtures of the previous species. | 5 (10) | | | | | | | | | | |
| Spices including the following dried spices: Pepper fruits, including white and black pepper, nutmeg (<i>Myristica fragrans</i>), ginger (<i>Zingiber officinale</i>) and turmeric (<i>Curcuma longa</i>) | | 15 | | | | | | | | | |
| Spices including the following dried spices: Hot pepper (dried fruits thereof, whole or ground, including chilies, chili powder, and cayenne). | | 20 | | | | | | | | | |
| Mixtures of spices, including dried spices containing one of the abovementioned spices | | 15 | | | | | | | | | |
| Dried spices with the exception of cardamom and smoked pepper | | | | | | | | | | | 10 (50) |
| Mustard | | | 35 | | | | | | | | |
| Herbs: Liquorice species: Liquorice root, ingredient for herbal infusion | | 20 | | | | | | | | | |
| Liquorice species: Liquorice extract, for use in food in particular beverages and confectionary | | 80 | | | | | | | | | |
| Herbal extracts (dried product) with the exception of the herbal extracts of rooibos, anise (<i>Pimpinella anisum</i>), lemon balm, chamomile, thyme, | | | | 200 | 25 | | | | | | |

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| Product Name | Aflatoxin B1 (Sum B1 ,B2 ,G1,G2) µg/kg | Ochratoxin A µg/kg | Erucic acid g/kg | Pyrrolizidine alkaloids µg/kg | Tropane alkaloids µg/k | Arsenic (As) mg/kg | Cadmium (Cd) mg/kg | Lead (Pb) mg/kg | Mercury (Hg) mg/kg | 3-MCPD µg/kg | PAHs: BaB (Sum BaA, BbFA, CHR) µg/kg |
|--|---|---------------------------|-----------------------------|--------------------------------------|-------------------------------|---------------------------|---------------------------|------------------------|---------------------------|---------------------|---|
| peppermint, lemon verbena (dried product), tea (Camellia sinensis), flavoured tea (Camellia sinensis) and herbal extracts for infants and young children (dried product) | | | | | | | | | | | |
| Herbal extracts (of rooibos, anise (Pimpinella anisum), lemon balm, chamomile, thyme, peppermint, lemon verbena (dried product) and mixtures exclusively composed of these dried herbs | | | | 400 | 50 | | | | | | |
| Herbal extracts (liquid) | | | | | 0.2 | | | | | | |
| Tea (Camellia sinensis), and flavoured tea (Camellia sinensis) (dried product) except tea for young children and infants | | | | 150 | | | | | | | |
| Tea (Camellia sinensis), and flavoured tea (Camellia sinensis) (dried product) or herbal extracts for young children and infants | | | | 75 | | | | | | | |
| Tea (Camellia sinensis), and flavoured tea (Camellia sinensis) (liquid) or herbal extracts for young children and infants | | | | 1 | | | | | | | |
| Chamomile leaves (bee bread) - (fresh or frozen) offered in the market to the final consumer | | | | 750 | | | | | | | |
| Dried herbs | | | | 400 | | | | | | | 50 |
| Borage, lovage, marjoram and oregano (dried) and mixtures exclusively composed of these dried herbs | | | | 1000 | | | | | | | |
| Cumin seeds | | | | 400 | | | | | | | |
| Raw herbs | | | | | | | 0.3 | | | | |
| Fresh herbs | | | | | | 5 | | | | | 50 |
| Raw Fresh Medicinal Herbs | | | | | | | | | 0.2 | | |
| Food Grade Salt | | | | | | 0.5 | 0.5 | 1 | 0.1 | | |

Food Category Intended for Special Dietary Uses - Food Category (C13)

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| Product Name | Aflatoxin B1 µg/kg | Aflatoxin M1 µg/kg | Deoxynivalenol (DON) µg/kg | Fumonins (B1 and B2) | Zearalenone (ZON) µg/kg | Ochratoxin A µg/kg | Patulin µg/kg | Citrinin µg/kg | Pyrrolizidine alkaloids µg/kg | Arsenic (As) mg/kg | Cadmium (Cd) mg/kg | Lead (Pb) mg/kg | Mercury (Hg) mg/kg | Tin (Sn) mg/kg | Nitrate mg/kg | 3-MCPD µg/kg | Glycidol µg/k | PAHs: BaB (Sum BaA, BbFA, CHR) µg/kg |
|--|---------------------------|---------------------------|-----------------------------------|-----------------------------|--------------------------------|---------------------------|----------------------|-----------------------|--------------------------------------|---------------------------|---------------------------|------------------------|---------------------------|-----------------------|----------------------|---------------------|----------------------|---|
| and young children | | | | | | | | | | | | | | | | | | |
| Maize-based food for young children and infants | | | | 200 | | | | | | | | | | | | | | |
| Food supplements based on rice fermented with red yeast (<i>Monascus purpureus</i>) | | | | | | | | 100 | | | | | | | | | | |
| Infant formula and follow-up formula (marketed as liquid) | | | | | | | | | | | | 0.01 | | | | | | |
| Infant formula and follow-up formula (marketed as powder) | | | | | | | | | | | | 0.02 | | | | | | |
| Food supplements | | | | | | | | | | | | 3 | 0.1 | | | | | |
| Dietary foods for special medical purposes intended specifically for infants and young children (marketed as liquid) | | | | | | | | | | | | 0.01 | | | | | | |
| Dietary foods for special medical purposes intended specifically for infants and young children (marketed as powder) | | | | | | | | | | | | 0.02 | | | | | | |
| Beverages for infants and young children that are labelled and sold as such: Marketed as liquid or reconstituted following | | | | | | | | | | | | 0.02 | | | | | | |

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| Product Name | Aflatoxin B1 µg/kg | Aflatoxin M1 µg/kg | Deoxynivalenol (DON) µg/kg | Fumonisin (B1 and B2) | Zearalenone (ZON) µg/kg | Ochratoxin A µg/kg | Patulin µg/kg | Citrinin µg/kg | Pyrrolizidine alkaloids µg/kg | Arsenic (As) mg/kg | Cadmium (Cd) mg/kg | Lead (Pb) mg/kg | Mercury (Hg) mg/kg | Tin (Sn) mg/kg | Nitrate mg/kg | 3-MCPD µg/kg | Glycidol µg/k | PAHs: BaB (Sum BaA, BbFA, CHR) µg/kg |
|---|---------------------------|---------------------------|-----------------------------------|------------------------------|--------------------------------|---------------------------|----------------------|-----------------------|--------------------------------------|---------------------------|---------------------------|------------------------|---------------------------|-----------------------|----------------------|---------------------|----------------------|---|
| manufacturer's instructions, including fruit juices | | | | | | | | | | | | | | | | | | |
| Beverages for infants and young children are labelled and sold as such: prepared by infusion or parboiled | | | | | | | | | | | | 0.5 | | | | | | |
| Food supplements (except for the listed below) seaweed, products derived from seaweed or dried bivalve mollusks | | | | | | | | | | | 1 | | | | | | | |
| Food supplements consisting exclusively or mainly of dried seaweed, products derived from seaweed, or of dried bivalve mollusks | | | | | | | | | | | 3 | | | | | | | |
| Infant formulae: formulae marketed as dried and manufactured from cow's milk proteins or from cow's milk protein hydrolysates. | | | | | | | | | | | 0.01 | | | | | | | |
| formulae marketed as liquid and manufactured from cow's milk proteins or from cow's milk protein hydrolysates | | | | | | | | | | | 0.005 | | | | | | | |
| formulae marketed as powder and manufactured | | | | | | | | | | | 0.02 | | | | | | | |

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| Product Name | Aflatoxin B1 µg/kg | Aflatoxin M1 µg/kg | Deoxynivalenol (DON) µg/kg | Fumonisin (B1 and B2) | Zearalenone (ZON) µg/kg | Ochratoxin A µg/kg | Patulin µg/kg | Citrinin µg/kg | Pyrrolizidine alkaloids µg/kg | Arsenic (As) mg/kg | Cadmium (Cd) mg/kg | Lead (Pb) mg/kg | Mercury (Hg) mg/kg | Tin (Sn) mg/kg | Nitrate mg/kg | 3-MCPD µg/kg | Glycidol µg/k | PAHs: BaB (Sum BaA, BbFA, CHR) µg/kg |
|--|---------------------------|---------------------------|-----------------------------------|------------------------------|--------------------------------|---------------------------|----------------------|-----------------------|--------------------------------------|---------------------------|---------------------------|------------------------|---------------------------|-----------------------|----------------------|---------------------|----------------------|---|
| from soya protein isolates, alone or in a mixture with cow's milk proteins | | | | | | | | | | | | | | | | | | |
| Formulae marketed as liquid and manufactured from soya protein isolates, alone or in a mixture with cow's milk proteins | | | | | | | | | | | 0.01 | | | | | | | |
| Canned foods and processed cereal-based foods for infants and young children, excluding dried and powdered products | | | | | | | | | | | | | | 50 | | | | |
| Canned infant formulae and follow-up formulae (including infant milk and follow-up milk), excluding dried and powdered product | | | | | | | | | | | | | | 50 | | | | |
| Canned dietary foods for special medical purposes | | | | | | | | | | | | | | 50 | | | | |
| Infant formula, follow-up formulae and foods for special medical purposes intended for infants and young children and young children formulae (powder) | | | | | | | | | | | | | | | | 125 | 50 | |
| Infant formulae, follow-up formulae and foods for | | | | | | | | | | | | | | | | 15 | 6 | |

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| Product Name | Aflatoxin B1 µg/kg | Aflatoxin M1 µg/kg | Deoxynivalenol (DON) µg/kg | Fumonisin (B1 and B2) | Zearalenone (ZON) µg/kg | Ochratoxin A µg/kg | Patulin µg/kg | Citrinin µg/kg | Pyrrolizidine alkaloids µg/kg | Arsenic (As) mg/kg | Cadmium (Cd) mg/kg | Lead (Pb) mg/kg | Mercury (Hg) mg/kg | Tin (Sn) mg/kg | Nitrate mg/kg | 3-MCPD µg/kg | Glycidol µg/k | PAHs: BaB (Sum BaA, BbFA, CHR) µg/kg | |
|--|--------------------|--------------------|----------------------------|-----------------------|-------------------------|--------------------|---------------|----------------|-------------------------------|--------------------|--------------------|-----------------|--------------------|----------------|---------------|--------------|---------------|--------------------------------------|--|
| infants and young children | | | | | | | | | | | | | | | | | | | |
| Food supplements containing herbal ingredients including extracts with the exception of the food supplements containing pollen and pollen products | | | | | | | | | 400 | | | | | | | | | | |
| Food supplements containing pollen and pollen products | | | | | | | | | 500 | | | | | | | | | | |

Category of Beverages Excluding Milk Products, Coffee and Coffee Products, Herbal Infusions and Alcoholic Beverages - Category Code (C14)

| Product Name | Ochratoxin A µg/kg | Patulin µg/kg | Arsenic (As) mg/kg | Cadmium (Cd) mg/kg | Lead (Pb) mg/kg | Mercury (Hg) mg/kg | Tin (Sn) mg/kg | PAHs: BaB (Sum BaA, BbFA, CHR) µg/kg | Perchlorate mg/kg |
|---|--------------------|---------------|--------------------|--------------------|-----------------|--------------------|----------------|--------------------------------------|-------------------|
| Soluble coffee (instant coffee) | 10 | | | | | | | | |
| Grape juice, concentrated grape juice as reconstituted, and grape nectar | 2 | | | | 0.04 | | | | |
| Fruit juices, concentrated fruit juices as reconstituted and fruit nectars and apple juice | | 50 | | | | | | | |
| Apple juice and solid apple products, including apple compote and apple puree, for infants and young children | | 10 | | | | | | | |

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| Product Name | Ochratoxin A µg/kg | Patulin µg/kg | Arsenic (As) mg/kg | Cadmium (Cd) mg/kg | Lead (Pb) mg/kg | Mercury (Hg) mg/kg | Tin (Sn) mg/kg | PAHs: BaB (Sum BaA, BbFA, CHR) µg/kg | Perchlorate mg/kg |
|---|-----------------------|------------------|--------------------------|--------------------------|-----------------------|--------------------------|----------------------|---|----------------------|
| Fruit juices (non-concentrated) or reconstituted to the original juice concentrate, ready to drink - including fruit nectar | | | | | 0.03 | | | | |
| Fruit juices extracted from samples and small fruits | | | | | 0.05 | | | | |
| Herbal and fruit infusion, dried | | | | | | | | | 0.75 |
| Powders of food of plant origin for the preparation of beverages | | | | | | | | 10 (50) | |
| Aromatised wine, aromatised wine-based drinks and aromatised wine-product cocktails | 2 | | | | 0.15 | | | | |
| Wine | 2 | | | | 0.1 | | | | |
| Fortified wine / Distilled wine | | | | | 0.1 | | | | |
| Spirit drinks, cider and other fermented drinks derived from apples or containing apple juice | | 50 | | | | | | | |
| Canned beverages, including fruit juices and vegetable juices | | | | | | | 150 | | |
| Natural mineral water | | | 0.01 | 0.003 | 0.01 | 0.001 | | | |
| Tea (Camellia sinensis), dried Herbal and fruit infusions, dried | | | | | | | | | 0.75 |

Appendix (5): Requirements for Inspection and Testing Methods for Chemical Contaminates in terms of Performance Standards and Measurement Devices

| Contaminant | Food Items | Analytes | Sensitivity Range | Recommended Instrumentation |
|------------------------------|--|---------------------------|--------------------|-----------------------------|
| Mycotoxins | | | | |
| Aflatoxins B1, B2, G1, G2 | Cereals, Grains, Nuts, Oilseeds, Dried Fruits, Herbs, Spices, Food for young children | Aflatoxins B1, B2, G1, G2 | 0.1 µg/kg for each | LC-MS/MS or HPLC |

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| Contaminant | Food Items | Analytes | Sensitivity Range | Recommended Instrumentation |
|------------------------------|--|---|---------------------------------|--|
| Aflatoxin M1 | Milk and Milk Products, Food for young children, Food for Special Medical Purposes | Aflatoxin M1 | 0.02 µg/kg | LC-MS/MS or HPLC |
| Ochratoxin A | Cereals, Grains, Nuts, Drinks, Dried Fruits, Herbs, Spices, Alcoholic Beverages, Food for young children | Ochratoxin A | 0.3 µg/kg | LC-MS/MS or HPLC |
| Fusarium Toxins | Cereals, Grains, Nuts, Oilseeds | DON, ZON, Fumonisin | 100, 20, 150 µg/kg respectively | LC-MS/MS or HPLC |
| Patulin | Juices, Apple puree, Drinks, Food for young children, Alcoholic Beverages | Patulin | 8 µg/kg | LC-MS/MS or HPLC |
| Citrinin | Food supplements based on grains | Citrinin | 5 µg/kg | LC-MS/MS or HPLC |
| Inherent Plant Toxins | | | | |
| Erucic acid | Fats, Oils, Oilseeds, Spices | Erucic acid including erucic acid bound in fat | 15 g/kg | LC-MS or GC-MSD |
| Hydrocyanic acid | Apricot kernels | Hydrocyanic acid including hydrocyanic acid bound in cyanogenic glycosides | 8 µg/kg | HPLC |
| Ergot sclerotia | Cereals | Ergot (<i>Claviceps purpurea</i> Tul.) sclerotia and fragments with a particle size > 0.5 mm | 0.15 g/kg | Macroscopic & microscopic (Identification), by weighing the identified amount (Quantification) |
| Tropane alkaloids | Cereals, Herbs, Herbal Extracts | Atropine and Scopolamine | 0.5 µg/kg | LC-MS/MS |
| Ergot alkaloids | Cereals, Food for young children | Sum of 12 ergot alkaloid epimers | 20 µg/kg | LC-MS/MS |

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| Contaminant | Food Items | Analytes | Sensitivity Range | Recommended Instrumentation |
|--|--|---|--------------------|-----------------------------|
| Pyrrolizidine alkaloids | Herbs, Seeds, Herbal Extracts, Tea, Food for young children | | 1 µg/kg | |
| Aquatic Biotoxins and Phycotoxins | | | | |
| Amnesic Shellfish Poisoning toxin (ASP) | Bivalve Oysters, Mollusks, Crabs | Domoic acid (DA) | 15 mg/kg | LC-MS/MS |
| Diarrhoeic shellfish poisoning (DSP) | Bivalve Mollusks, Oysters, Clams Mussels | Okadaic Acid (OA), Dinophysistoxins-1 (DTX1), Dinophysistoxins-2 (DTX2), and their acyl-esters (DTX3), Pectenotoxins group toxins: PTX1 and PTX2 | 0.2 µg/kg | LC-MS/MS, HPLC |
| Saxitoxin (SXT) | Fish, Bivalve Mollusks | Saxitoxin (SXT) | 400 µg/kg | LC-MS/MS |
| Brevetoxin (BTX) | Bivalve Mollusks, Oysters, Clams Mussels | Brevetoxin (BTX) | 400 µg/kg | LC-MS/MS |
| Azaspiracid (AZP) | Bivalve Mollusks, Oysters, Clams Mussels | Azaspiracid (AZP): combined azaspiracid-1,-2,-3 | 100 µg/kg | LC-MS/MS |
| Yessotoxins | Bivalve Mollusks | Yessotoxins group toxins: YTX, 45 OH YTX, homo YTX, 45 OH homo YTX | 3 mg/kg | LC-MS/MS |
| Environmental Contaminants | | | | |
| Heavy Metals | Fruits, Vegetables, Juices, Nuts, Fungi, Herbs, Spices, Milk, Fat, Oils, Meat, Fish, Offal, Alcoholic Beverages, Honey, Food for young children | Lead (Pb) | 0.01 mg/kg | ICP-OES, ICP-MS, AAS |
| | Fish, Fishery products, Packaged Water, Herbs, Food for young children | Mercury (Hg) | 0.001 to 0.1 mg/kg | ICP-OES, ICP-MS, AAS |

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| Contaminant | Food Items | Analytes | Sensitivity Range | Recommended Instrumentation |
|--|--|--|--------------------|-----------------------------|
| | Fish | Methylmercury | 1 mg/kg | ICP-OES, ICP-MS, AAS |
| | Fruits, Vegetables, Cereals, Nuts, Fungi, Herbs, Spices, Oilseeds, Cocoa products, Meat, Offal, Fish, Food for young children | Cadmium (Cd) | 0.002 to 0.1 mg/kg | ICP-OES, ICP-MS, AAS |
| | Fats, Oils, Packaged Water, Cereals, Herbs, Food for young children | Arsenic (As) | 0.01 to 0.1 mg/kg | ICP-OES, ICP-MS, AAS |
| | Canned Food, Canned Beverages, Meat Products | Tin (inorganic) | 25 mg/kg | ICP-OES, ICP-MS, AAS |
| Environmental Contaminants | | | | |
| Dioxins and Furans | Food of Animal Origin, Fat, Oils, Food for young children | PCDD/PCDFs (17 congeners) | 0.2 pg/g | HR-GCMS |
| PCBs-like dioxins | Food of Animal Origin, Fat, Oils, Food for young children | 12 congeners | 0.1 pg/g | HR-GCMS, GC-MS/MS |
| Nitrates | Leafy Vegetables, Food for young children | NO ₃ ⁻ | 150 mg/kg | HPLC, Ion Chromatograph |
| Processing Contaminants | | | | |
| 3-monochloropropanediol (3-MCPD) | Hydrolyzed Vegetable Proteins contained food, Soy Sauce, Fat, Oils, Food for young children | 3-MCPD and 3-MCPD fatty acid esters | 15 µg/kg | LC-MS/MS, GC-MS/MS |
| Glycidyl fatty acid esters (Glycidol) | Fats, Oils, Food for young children | Glycidyl fatty acid esters (GEs) | 5 µg/kg | LC-MS/MS, GC-MS/MS |

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| Contaminant | Food Items | Analytes | Sensitivity Range | Recommended Instrumentation |
|---|--|--|--------------------------|------------------------------------|
| Polycyclic Aromatic Hydrocarbons (PAHs) | Smoked Meat, Smoked Fish, Smoked Mollusks, Fat, Oils, Cocoa Products, Herbs, Spices, Food for young children | Benzo(a)pyrene (BaP) - Benzo[a]anthracene (BaA) - Benzo[b]fluoranthene (BbFA) - Chrysen (CHR) | 1 µg/kg | LC-MS/MS or HPLC |
| Acrylamide | Potatoes Crisps and Crackers, French Fries, Soft- and crisp-bread, Breakfast Cereals, Biscuits, Wafers, Coffee (roasted, instant, substitute), Food for young children | Acrylamide | 40 µg/kg | LC-MS/MS, GC-MS/MS |
| Ethyl Carbamate | Wines, Spirits, Brandies, Liqueurs | Ethyl Carbamate | 25 µg/kg | LC-MS/MS, GC-MS/MS |
| Other Contaminants | | | | |
| Melamine | Infant formulae, Food | Melamine and its structural analogues (Cyanuric acid - Ammelide - Ammeline) | 0.1 mg/kg | LC-MS/MS |
| Perchlorate | Fruits, Vegetables, Herbal Extracts, Food for young children, Processed Cereal-based Food | Perchlorate and Chlorate | 0.1 mg/kg | LC-MS/MS, Ion Chromatograph |