

**Voluntary Report** – Voluntary - Public Distribution

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## **Report Name:** Ukraine's MRLs for Certain Contaminants

**Country:** Ukraine

**Post:** Kyiv

**Report Category:** FAIRS Subject Report

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### **Report Highlights:**

This report lists Maximum Residue Levels (MRLs) for nitrates (in fresh greens and vegetables), mycotoxins, heavy metals, 3-monochloropropane-1,2-diol (3-MCDP), dioxins, polychlorinated biphenyls (PCBs), polycyclic aromatic hydrocarbons, and melamine in different food products. These requirements are adopted by Order 368, issued by the Ministry of Healthcare of Ukraine and applicable to all domestically produced imported food products.

The Ministry of Healthcare of Ukraine adopted an Order No. 368 "[On Approval of State Hygiene Regulations and Norms "The Regulation of Maximum Levels for Certain Contaminants in Foodstuffs"](#)" (link in Ukrainian) on May 13, 2013. The Order became binding after publication and transition period on July 16, 2016. The Order established Maximum Residue Levels (MRLs) for a variety of different contaminants. A set of separate regulations establish MRLs for microbiological contaminants for different food products. A separate GAIN report will be submitted for those.

U.S. exporters must be aware that Ukraine's single food safety competent authority – the State Service of Ukraine on Food Safety and Consumer Protection (SSUFSCP) may require implicitly and/or explicitly compliance of imported foodstuffs with provisions of Order 368. U.S. exporters are strongly advised to consult with their Ukrainian partners regarding compliance of exported products with below listed norms.

### **GENERAL REQUIREMENTS of Order 368:**

#### **Definitions:**

*Contamination* – introduction or presence (introduction or contamination) of a contaminant in a foodstuff or any objects which the foodstuff is in contact with;

*Contaminant* – any biological substance, including organisms, microorganisms and their particles, or any chemical substance, extraneous impurities or any other substance that poses a threat to the safety of food and its wholesomeness;

*Sample* – a set consisting of one or more units, portion(s) of a product or substance selected by various methods from a batch or large quantity of product, and purposed for decision-making concerning this batch or large quantity of product;

*Ingredient* – a component of a foodstuff;

*Maximum residue level* – a maximum content (concentration) of a contaminant in a human or animal foodstuff acceptable for such product;

#### **Maximum residue levels for dried, diluted, processed and compound foodstuffs:**

When applying the maximum levels established by Order 368 to foodstuffs which are dried, diluted, processed or composed of more than one ingredient, the following must be taken into account:

- changes of the concentration of the contaminants caused by drying or dilution processes;
- changes of contaminants' concentration caused by processing;
- proportions of the ingredients in the final food product;
- the analytical limit of quantitative data.

### **Prohibition on use, mixing and detoxification**

- Foodstuffs that are incompliant with the MRLs established by Order 368 are not allowed to be used as food ingredients.
- Foodstuffs that are compliant with the MRLs established by Order 368 are not allowed to be mixed with incompliant ones.
- Foodstuffs subject to sorting or other types of physical treatment aimed at reduction of contamination levels should not be mixed with foodstuffs intended for direct human consumption or with foodstuffs intended for use as ingredients.
- Foodstuffs containing mycotoxins in excesses of norms established by Order 368 shall not be deliberately detoxified through chemical treatments.

### **Special requirements for peanuts, nuts, other oilseeds, fried fruit, rice and maize:**

Peanuts, nuts, other oilseeds, dried fruit, rice and maize that are incompliant with aflatoxin MRLs, can be placed on the market provided that such foodstuffs:

- Are not intended for direct consumption or use as components of foodstuffs;
- Comply with MRLs set in sub-paragraphs 2.1.1-2.1.4, 2.1.9, 2.1.12 of Paragraph 2;
- Are subject to a treatment involving sorting or other physical treatment that bring contamination level below established MRLs, and this treatment does not introduce other contaminants in foodstuff;
- Are labelled to indicate the product intended for use and to include the following statement "Prior to human consumption or use as an ingredient the product shall be subjected to sorting or other physical treatment to reduce the level of aflatoxin". This inscription shall be included on the label of each packing unit of the consignment/batch and included in the original accompanying document. The consignment/batch identification code should be indelibly applied on each packing unit of the consignment/batch, box, etc., and on the original accompanying document.

### **Special requirements for peanuts, other oilseeds and products derived thereof, and cereals:**

- The label shall clearly indicate the intended use of these foodstuffs.
- The accompanying documents must bear marking or identification codes that link these documents to packed foodstuffs;
- In case of absence of a clear indication that the planned use of this product is not intended for human consumption, the aflatoxin MRLs should apply to the entire batch of peanuts, products made from peanuts and cereals, other oilseeds and derived products.

Ukraine will apply own sampling and testing methods and procedures. If those methods are absent or not applicable, sampling and testing methods established by the competent international organizations (International Organization for Standardization (ISO), and Codex Alimentarius Commission) will be applied.

**MAXIMUM LEVELS**  
for certain contaminants in foodstuffs

**Section 1. Nitrate**

No.	Foodstuffs <sup>1</sup>	Maximum Residue Levels, mg NO <sub>3</sub> /kg	
1.1	Fresh spinach <sup>2</sup> ( <i>Spinacia oleracea</i> )	From greenhouse	3000
		From open field	2000
1.2	Preserved, deep-frozen or quick-frozen spinach		2000
1.3	Fresh Lettuce ( <i>Lactuca sativa</i> L.), grown in the covered and open soil, excluding lettuce specified in item 1.4	Harvested between October 01 and March 31:	
		lettuce grown in greenhouse	3000
		lettuce grown in the open field	2000
		Harvested between April 01 and September 30:	
		lettuce grown in greenhouse	3000
		lettuce grown in the open field	2000
1.4	Iceberg Lettuce	From greenhouse	2500
		From open field	2000
1.5	Rucola ( <i>Eruca sativa</i> , <i>Diplotaxis</i> sp., <i>Brassica tenuifolia</i> , <i>Sisymbrium tenuifolium</i> )	Harvested between October 01 and March 31	7000
		Harvested between April 01 and September 30	6000
1.6	Processed cereal-based products and baby food for infants (0-1 year old) and young children (1-3 years old) <sup>3</sup>		200
	Baby food: canned fruit and berries, fruit-based infant formulae with fruit		50
	Canned fruit and vegetables, vegetable-based infant formulae with vegetables		100
1.7	Potatoes		250
1.8	White cabbage	Early season (before September 01)	900
		Late season	500

1.9	Carrots	Early season (before September 01) Late season	400 250
1.10	Tomatoes		150
1.11	Cucumbers	From greenhouse From open field	300 150
1.12	Beetroot		1400
1.13	Onions		80
1.14	Scallions	From greenhouse From open field	800 600
1.15	Leaf vegetables (garden lettuce, spinach, sorrel, salad cabbage, parsley, celeriac, coriander leaves, fennel, etc.)	From greenhouse From open field	3000 2000
1.16	Melons		90
1.17	Watermelons		60
1.18	Sweet peppers	From greenhouse From open field	400 200
1.19	Marrow squashes		400
1.20	Pumpkins (to produce canned baby food)		200
1.21	Apples		60
1.22	Pears		60
1.23	Table grapes		60

## Section 2. Mycotoxins

No.	Foodstuffs-1	Maximum Residue Levels, µg/kg		
		B1	Sum of B1, B2, G1, G2	M1
2.1	<b>Aflatoxins</b>			
2.1.1	Peanuts (groundnuts) and other oilseeds, subject to sorting or other physical treatment prior to human consumption or use as an ingredient, excluding peanuts (groundnuts) and oilseeds used for vegetable oil production	8	15	
2.1.2	Almonds, pistachios and apricot kernels subject to sorting or other physical treatment, prior to human consumption or use as an ingredient	12	15	
2.1.3	Hazelnuts and Brazil nuts subject to sorting or other physical treatment, prior to human consumption or use as an ingredient	8	15	
2.1.4	Tree nuts, excluding the tree nuts specified in sub-items 2.1.2 and 2.1.3 of item 2.1 hereof, subject to sorting or other physical treatment, prior to human consumption or use as an ingredient	5	10	
2.1.5	Peanuts (groundnuts), oilseeds and foodstuffs produced thereof, intended for human consumption or use as an ingredient, excluding vegetable oils intended for refining, refined vegetable oils	2	4	
2.1.6	Almonds, pistachios and apricot kernels, intended for human consumption or use as an ingredient	8	10	
2.1.7	Hazelnuts and Brazil nuts, intended for human consumption or use as an ingredient	5	10	
2.1.8	Tree nuts, excluding the tree nuts specified in sub-items 2.1.6 and 2.1.7 of item 2.1 hereof, and foodstuffs produced thereof, intended for human consumption or use as an ingredient	2	4	
2.1.9	Dried fruit, excluding dried figs, and foodstuffs produced thereof, intended for human consumption or use as an ingredient	5	10	
2.1.10	Dried fruit, excluding dried figs, and foodstuffs produced thereof, intended for human consumption or use as an	2	4	

	ingredient			
2.1.11	Cereals and foodstuffs produced thereof, excluding foodstuffs specified in sub-items 2.1.12, 2.1.15 and 2.1.17 of item 2.1 hereof	2	4	
2.1.12	Maize and rice subject to sorting or other physical treatment prior to human consumption or use as an ingredient	5	10	
2.1.13	Raw milk, heat-treated milk and milk for dairy products production, milk-based products, condensed milk, dehydrated milk and milk-based products, cheese and cheese-based products, butter made from milk of animals (cows)	0,1		0,05
2.1.14	Species of spices: <i>Capsicum spp.</i> (dried seeds thereof, whole or ground, including chili peppers, chili powder, cayenne and paprika). <i>Piper spp.</i> (seeds 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	
2.1.15	Cereal-based foodstuffs, including baby food	0,1		
2.1.16	Infant formulae and children formulae <sup>3</sup>	0,1		0,025
2.1.17	Foodstuffs for special medical purposes, intended for babies	0,1		0,025
2.1.18	Dried figs	2	4	
2.1.19	Fresh, chilled or frozen meat and poultry	5		
2.1.20	Sausage products	5		
2.1.21	Canned meats and poultry	5		
2.1.22	Farm animals and poultry by-products, kidneys and products thereof	5		
2.1.23	Eggs and egg products, egg powder	5		
2.1.24	Cereals, flour, bread	5		

2.1.25	Sweets and similar products	5		
2.1.26	Cocoa, cocoa powder, chocolate	5		
2.1.27	Coffee	5		
2.1.28	Tea	5		
2.1.29	Vegetable oil	5		
2.1.30	Protein isolates and concentrates, casein	5		
2.1.31	Wheat bran	5		
<b>No.</b>	<b>Foodstuffs<sup>1</sup></b>	<b>Maximum Residue Levels, µg/kg</b>		
2.2	<b>Ochratoxin A</b>			
2.2.1	Unprocessed cereals	5		
2.2.2	Foodstuffs derived from unprocessed cereals, including processed cereals intended for direct human consumption, excluding foodstuffs specified in sub-items 2.2.9, 2.2.10 and 2.2.13 of item 2.2 hereof	3		
2.2.3	Dried foodstuffs: currants, raisins and sultanas	10		
2.2.4	Roasted coffee beans and roasted coffee, excluding instant coffee	5		
2.2.5	Instant coffee	10		
2.2.6	Wine (including sparkling wine, excluding liqueur wine and wine with alcohol concentration of not less than 15 %) and fruit wine	2		
2.2.7	Aromatized wine, aromatized wine-based drinks and aromatized wine-product cocktails	2		
2.2.8	Grape juice, concentrated grape juice as reconstituted, grape nectar, grape must and concentrated grape must as reconstituted, intended for direct human consumption	2		
2.2.9	Cereal-based foodstuffs and baby food for infants and children from one to three years old	0.5		



2.2.10	Foodstuffs for special medical purposes, intended for babies	0.5
2.2.11	Species of spices: <i>Piper spp.</i> (seeds thereof, including white and black pepper). <i>Myristica fragrans</i> (nutmeg). Mixtures of spices containing one or more of the abovementioned spices	15
2.2.12	Red liquorice	20
2.2.13	Red liquorice extract	80
2.2.14	Wheat gluten for industrial processing	8
2.3	<b>Patulin</b>	
2.3.1	Fruit juices, concentrated fruit juices as reconstituted and fruit nectars	50
2.3.2	Alcoholic drinks, cider and other fermented drinks made from apples or containing apple juice	50
2.3.3	Solid apple products, including apple compote, apple puree intended for direct human consumption, excluding foodstuffs specified in sub-items 2.3.4 and 2.3.5 of item 2.3 hereof	25
2.3.4	Apple juice and solid apple products, including apple compote and apple puree for infants and young children aged 1-3, and labelled and sold as such	10
2.3.5	Baby food, excluding cereal-based foods for infants and young children of one to three years old 1-3 <sup>3</sup>	10
2.3.6	Vegetables, potatoes	50
2.3.7	Fruit, berries	50
2.4	<b>Deoxynivalenol</b>	
2.4.1	Unprocessed cereals, excluding durum wheat, oats and maize	1250
2.4.2	Unprocessed durum wheat, oats	1750
2.4.3	Unprocessed maize, excluding unprocessed maize intended for	1750

	wet milling processing	
2.4.4	Cereals intended for direct human consumption, cereal flour, bran and germ as well as end products intended for direct human consumption, excluding foodstuffs specified in sub-items 2.4.7, 2.4.8 and 2.4.9 of item 2.4 hereof	750
2.4.5	Pasta	750
2.4.6	Bread, including small bakery products, pastries, biscuits, cereal snacks and breakfast cereals	500
2.4.7	Processed cereal-based foodstuffs and baby food for infants and young children	200
2.4.8	Milling fractions of maize with particle size > 500 micron falling within HS Code 1103 13 or 1103 20 40 and other maize milling products with particle size > 500 micron not used for direct human consumption falling within HS code 1904 1010	750
2.4.9	Milling fractions of maize with particle size ≤ 500 micron falling within HS Code 1102 20 and other maize milling products with particle size ≤ 500 micron not used for direct human consumption falling within HS Code 1904 1010	1250
2.5	<b>Zearalenone</b>	
2.5.1	Unprocessed cereals, excluding maize	100
2.5.2	Unprocessed maize, excluding unprocessed maize intended for wet milling processing	350
2.5.3	Cereals intended for direct human consumption, cereal flour, bran and germ as end products intended for human consumption, excluding foodstuffs specified in sub-items 2.5.6-2.5.10 of item 2.5 hereof	75
2.5.4	Refined maize oil	400
2.5.5	Bread, including small bakery products, pastries, biscuits, cereal snacks and breakfast cereals, excluding maize snacks and maize-based breakfast cereals	50
2.5.6	Maize intended for direct consumption, maize-based snacks and	100

	breakfast cereals	
2.5.7	Processed cereal-based foodstuffs (excluding processed maize-based snacks and breakfast cereals) and baby food	20
2.5.8	Processed maize-based baby food for infants and young children aged 1-3	20
2.5.9	Milling fractions of maize seeds with particle size > 500 micron falling within HS Code 1103 13 or 1103 20 40 and other maize milling products with particle size > 500 micron not used for direct human consumption falling within HS Code 1904 1010	200
2.5.10	Milling fractions of maize seeds with particle size ≤ 500 micron falling within HS Code 1102 20 and other maize milling products with particle size ≤ 500 micron not used for direct human consumption falling within HS Code 1904 10 10	300
2.6	<b>Fumonisin, sum of B and B2</b>	
2.6.1	Unprocessed maize, excluding unprocessed maize intended for wet milling processing	4000
2.6.2	Maize intended for direct human consumption, maize-based foodstuffs intended for direct consumption, excluding foodstuffs specified in sub-items 2.6.3 and 2.6.4 of item 2.6 hereof	1000
2.6.3	Maize-based breakfast cereals and snacks	800
2.6.4	Processed maize-based foodstuffs and baby food for infants and young children	200
2.6.5	Milling fractions of maize seeds with particle size > 500 micron falling within HS Code 1103 13 or 1103 20 40 and other maize milling products with particle size > 500 micron not used for direct human consumption falling within HS Code 1904 1010	1400
2.6.6	Milling fractions of maize seeds with particle size ≤ 500 micron falling within HS Code 1102 20 and other maize milling products with particle size ≤ 500 micron not used for direct human consumption falling within HS Code 1904 10 10	2000

### Section 3. Metals

No.	Foodstuffs <sup>1</sup>	Maximum Residue Levels, mg/kg
3.1	<b>Lead</b>	
3.1.1	Raw milk, heat-treated milk and milk for dairy products production	0.02
3.1.2	Infant formulae and modified formulae <sup>3</sup>	0.02
3.1.3	Meat (excluding offal) of bovine animals, sheep, pig and poultry	0.1
3.1.4	Offal of bovine animals, sheep, pig and poultry	0.5
3.1.5	Muscle meat of fish <sup>4</sup>	0.3
3.1.6	Crustaceans, excluding the brown meat of crab and excluding the head and thorax meat of lobster and similar large crustaceans ( <i>Nephropidae</i> i <i>Palinuridae</i> )	0.5
3.1.7	Bivalve mollusks	1.5
3.1.8	Cephalopods (without viscera)	1.0
3.1.9	Cereals, legume vegetables and pulses <sup>5</sup>	0.2
3.1.10	Vegetables, excluding brassica vegetables, leaf vegetables, fresh herbs and mushrooms. For potatoes the maximum residue level applies to peeled potatoes.	0.1
3.1.11	Brassica vegetables, leaf vegetables and the following mushrooms: <i>Agaricus bisporus</i> (common field mushroom), <i>Pleurotus ostreatus</i> (oyster mushroom), <i>Lentinula edodes</i> (shiitake mushroom) <sup>5</sup>	0.3
3.1.12	Fruit, excluding berries and small fruit <sup>5</sup>	0.1
3.1.13	Berries and small fruit <sup>5</sup>	0.2
3.1.14	Fats and oils, including milk fat	0.1
3.1.15	Fruit juices as reconstituted from concentrated, fruit juices and fruit nectars	0.05

3.1.16	Wine (including sparkling wine, excluding liqueur wine and wine with alcohol concentration of not less than 15 %) and fruit wine	0.2-6
3.1.17	Aromatized wine, aromatized wine-based drinks and aromatized wine-product cocktails	0.2-6
3.1.18	Food supplements	3.0
3.1.19	Sausages and ready-cooked foods made from meat and poultry	0.5 (0.3 for specialized school feeding products)
3.1.20	Canned meat and canned meat with cereals	0.5 1.0 (in built-up tin containers)
3.1.21	Kidneys and products derived thereof	1.0
3.1.22	Eggs and egg products	0.3
3.1.23	Dry egg products (egg powder, egg white, yolk)	3.0
3.1.24	Condensed milk	0.3
3.1.25	Cheese and cheese-based products	0.3
3.1.26	Canned fish and canned preserves	1.0 2.0 (tuna)
3.1.27	Bakery wares	0.3
3.1.28	Sugar	1.0
3.1.29	Nuts	0.5
3.1.30	Sweets and similar products	1.0
3.1.31	Cocoa powder, chocolate	1.0
3.1.32	Coffee	1.0
3.1.33	Biscuits	0.5
3.1.34	Mushrooms	0.5

3.1.35	Spices and condiments	5.0
3.1.36	Tea	10.0
3.1.37	Canned vegetables	0.5 1.0 (in built-up tin containers)
3.1.38	Canned fruit and berries	0.4 1.0 (in built-up tin containers)
3.1.39	Vegetable oil derivatives	0.1
3.1.40	Soft drinks, beer, vodka and other alcoholic drinks	0.3
3.1.41	Protein isolates and concentrates	1.0
3.1.42	Casein	0.3
3.1.43	Pectin	1.0
3.1.44	Wheat bran	1.0
3.1.45	Gelatin	2.0
3.1.46	Starch	0.5
3.1.47	Cooking salt	2.0
3.1.48	Cereal-based foods for infants and young children	0.1
3.1.49	Canned fruit and berries and canned fruit and vegetables for infants and young children	0.3
3.1.50	Vegetable-based infant formulae and fruit-based infant formulae for infants and young children	0.3 (in a reconstituted product)
3.1.51	Canned meat for infants and young children	0.3
3.1.52	Canned fish for infants and young children	0.5
3.1.53	Specialized products for dietary therapy of children	0.05 (in a reconstituted product)
3.2	<b>Cadmium</b>	
3.2.1	Meat (excluding offal) of bovine animals, sheep, pig and poultry	0.05

3.2.2	Horsemeat, excluding offal	0.05 (all species of animals)
3.2.3	Liver of bovine animals, sheep, pig and horse	0.3
3.2.4	Kidney of bovine animals, sheep, pig and horse	1.0
3.2.5	Muscle meat of fish, excluding species specified in sub-items 3.2.6 - 3.2.8 of item 3.2 hereof <sup>4</sup>	0.05
3.2.6	Muscle meat of the following fish: bonito ( <i>Sarda sarda</i> ); common two-banded seabream ( <i>Diplodus vulgaris</i> ); eel ( <i>Anguilla anguilla</i> ); mullet ( <i>Mugil labrosus labrosus</i> ); horse mackerel ( <i>Trachurus</i> species); louvar ( <i>Luvarus imperialis</i> ); mackerel ( <i>Scomber</i> species); sardine ( <i>Sardina pilchardus</i> ); pilchard ( <i>Sardinops</i> species); tuna ( <i>Thunnus</i> species, <i>Euthynnus</i> species, <i>Katsuwonus pelamis</i> ); common sole ( <i>Dicologlossa cuneata</i> )	0.10
3.2.7	Muscle meat of Bullet tuna ( <i>Auxis</i> species)	0.20
3.2.8	Muscle meat of the following fish: anchovy ( <i>Engraulis</i> species); swordfish ( <i>Xiphias gladius</i> )	0.2
3.2.9	Crustaceans, excluding the brown meat of crab and excluding the head and thorax meat of lobster and similar large crustaceans ( <i>Nephropidae</i> i <i>Palinuridae</i> )	0.50
3.2.10	Bivalve mollusks	1.0
3.2.11	Cephalopods (without viscera)	1.0
3.2.12	Cereals, excluding bran, germ, wheat and rice	0.10
3.2.13	Bran, germ, wheat and rice	0.1 (0.03 for baby food and dietary food production)
3.2.14	Soybeans	0.1 (0.03 for baby food and dietary food production)

3.2.15	Vegetables and fruit, excluding green vegetables, fresh herbs, mushrooms, stem vegetables, pine nuts and potatoes	0.03
3.2.16	Stem vegetables, root and tuber vegetables and potatoes, excluding celeriac. For potatoes the maximum level applies to peeled potatoes	0.03
3.2.17	Leaf vegetables, fresh herbs, celeriac and the following mushrooms <sup>5</sup> : <i>Agaricus bisporus</i> (common field mushroom), <i>Pleurotus ostreatus</i> (oyster mushroom), <i>Lentinula edodes</i> (shiitake mushroom)	0.03
3.2.18	Mushrooms, excluding those specified in sub-item 3.2.17 <sup>5</sup>	0.1
3.2.19	Food supplements	1.0
3.2.20	Food supplements derived from marine organisms	3.0
3.2.21	Sausages and ready-cooked foods made from meat and poultry	0.05 (0.03 for specialized school meal products)
3.2.22	Canned meat and canned meat with cereals	0.05 0.1 (in built-up tin containers)
3.2.23	Canned fish and fish preserves	0.2
3.2.24	Eggs and egg products	0.01
3.2.25	Dry egg products (egg powder, egg white, yolk)	0.1
3.2.26	Milk and dairy products	0.03 (0.02 for baby food and dietary food production)
3.2.27	Condensed milk	0.1
3.2.28	Dehydrated milk and milk-based products	0.03 (calculated for end product)
3.2.29	Cheese and cheese-based products	0.2
3.2.30	Canned fish and fish preserves	0.2
3.2.31	Cereals, flour and pasta	0.1 (0.03 for baby food production)



3.2.32	Bakery wares	0.05
3.2.33	Sugar	0.05
3.2.34	Nuts	0.1
3.2.35	Sweets and similar products	0.1
3.2.36	Cocoa powder, chocolate	0.5
3.2.37	Coffee	0.05
3.2.38	Biscuits	0.1
3.2.39	Mushrooms	0.1
3.2.40	Spices and condiments	0.2
3.2.41	Tea	1.0
3.2.42	Canned vegetables	0.03 0.05 (in tin containers)
3.2.43	Canned fruit and berries	0.03 0.05 (in tin containers)
3.2.44	Animal fats	0.03
3.2.45	Vegetable oil and vegetable oil derivatives	0.05
3.2.46	Soft drinks, beer, wine, vodka and other alcoholic drinks	0.03
3.2.47	Protein isolates and concentrates	0.1
3.2.48	Casein	0.2
3.2.49	Pectin	0.1
3.2.50	Gelatin	0.03
3.2.51	Starch	0.1
3.2.52	Cooking salt	0.1
3.2.53	Milk-based foodstuffs for infants and young children	0.02

3.2.54	Cereal-based foodstuffs for infants and young children	0.02
3.2.55	Canned fruit and berries and canned fruit and vegetables for infants and young children	0.02
3.2.56	Vegetable-based infant formulae and fruit-based infant formulae for infants and young children	0.02 (in a reconstituted product)
3.2.57	Canned meat for infants and young children	0.03
3.2.58	Canned fish for infants and young children	0.1
3.2.59	Specialized products for dietary therapy of children	0.02 (in a reconstituted product)
3.3	<b>Mercury</b>	
3.3.1	Fishery products and muscle meat of fish, excluding species specified in sub-item 3.3.2. The maximum level applies to crustaceans, excluding the brown meat of crab, the head and thorax meat of lobster and similar large crustaceans ( <i>Nephropidae</i> i <i>Palinuridae</i> )	0.3 (non-predatory species) 0.5 (predatory species)
3.3.2	Muscle meat of the following fish <sup>4</sup> : anglerfish ( <i>Lophius</i> species); Atlantic catfish ( <i>Anarhichas lupus</i> ); bonito ( <i>Sarda sarda</i> ); eel ( <i>Anguilla</i> species); emperor, orange roughy, rosy soldierfish ( <i>Hoplostethus</i> species); grenadier ( <i>Coryphaenoides rupestris</i> ); halibut ( <i>Hippoglossus hippoglossus</i> ); kingklip ( <i>Genypterus capensis</i> ); marlin ( <i>Makaira</i> species); megrim ( <i>Lepidorhombus</i> species); mullet ( <i>Mullus</i> species); 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</i> species); redfish ( <i>Sebastes marinus</i> , <i>S. mentella</i> , <i>S. viviparus</i> ); sail fish ( <i>Istiophorus platypterus</i> ); scabbard fish ( <i>Lepidopus caudatus</i> , <i>Aphanopus carbo</i> );	0.4

	seabream, pandora ( <i>Pagellus</i> species); shark (all species); snake mackerel or butterfish ( <i>Lepidocybium flavobrunneum</i> , <i>Ruvettus pretiosus</i> , <i>Gempylus serpens</i> ); sturgeon ( <i>Acipenser</i> species); swordfish ( <i>Xiphias gladius</i> ); tuna ( <i>Thunnus</i> species, <i>Euthynnus</i> species, <i>Katsuwonus pelamis</i> )	0.7
3.3.3	Food supplements	0.1
3.3.4	Salt	0.01
3.3.5	Fresh, chilled or frozen meat and poultry	0.03
3.3.6	Sausages and ready-cooked foods made from meat and poultry	0.03 (0.02 for specialized school meal products)
3.3.7	Canned meat and canned meat with cereals	0.03
3.3.8	Farm animals and poultry by-products	0.1
3.3.9	Kidneys and products thereof	0.2
3.3.10	Eggs and egg products	0.02
3.3.11	Dry egg products (egg powder, egg white, yolk)	0.1
3.3.12	Milk and dairy products	0.005
3.3.13	Condensed milk	0.015
3.3.14	Dehydrated milk and milk-based products	0.005 (recalculated for the end product)
3.3.15	Cheese and cheese-based products	0.02
3.3.16	Canned fish and fish preserves	0.3 (freshwater species) 0.4 (sea fish excepting tuna) 0.7 (tuna species)
3.3.17	Grains	0.03
3.3.18	Pulses	0.02

3.3.19	Cereals	0.03
3.3.20	Flour and pasta	0.02
3.3.21	Bakery wares	0.01
3.3.22	Doughnut and rusk bakery products	0.02
3.3.23	Sugar	0.01
3.3.24	Sweets and similar products	0.01
3.3.25	Cocoa powder, chocolate	0.1
3.3.26	Coffee	0.02
3.3.27	Biscuits	0.02
3.3.28	Vegetables and potatoes	0.02
3.3.29	Fruit and grapes	0.02
3.3.30	Berries	0.02
3.3.31	Mushrooms	0.05
3.3.32	Canned vegetables	0.02
3.3.33	Canned fruit and berries	0.02
3.3.34	Tea	0.1
3.3.35	Vegetable oil	0.03
3.3.36	Vegetable oil derivatives	0.05
3.3.37	Animal fats	0.03
3.3.38	Soft drinks, beer, wine, vodka and other alcoholic drinks	0.005
3.3.39	Protein isolates and concentrates	0.003
3.3.40	Pectin	0.1
3.3.41	Wheat bran	0.03

3.3.42	Gelatin	0.05
3.3.43	Starch	0.02
3.3.44	Milk-based foodstuffs for infants and young children	0.005
3.3.45	Cereal-based foodstuffs for infants and young children	0.01
3.3.46	Canned fruit and berries and canned fruit and vegetables for infants and young children	0.01
3.3.47	Vegetable-based infant formulae and fruit-based infant formulae for infants and young children	0.01 (in a reconstituted product)
3.3.48	Canned meat for infants and young children	0.02
3.3.49	Canned fish for infants and young children	0.15
3.3.50	Specialized products for dietary therapy of children	0.005 (in a reconstituted product)
3.4	<b>Tin (non-organic)</b> (these levels are applicable only to cooked, consumption-ready products in tin containers)	
3.4.1	Canned foods, excluding beverages	200
3.4.2	Canned beverages, including fruit juices and vegetable juices	100
3.4.3	Canned baby food and processed cereal-based foodstuffs for infants and young children, excluding dried and powdered products <sup>7</sup>	50
3.4.4	Canned infant formulae and modified formulae (including infant milk and modified milk), excluding dried and powdered products <sup>7</sup>	50
3.4.5	Canned dietary foods for special medical purposes <sup>7</sup> , intended specifically for infants and young children, excluding dried and powdered products	50

#### Section 4. 3-monochloropropane-1,2-diol (3-MCDP)

No.	Foodstuffs <sup>1</sup>	Maximum Residue Levels (µg/kg)
1	Hydrolyzed vegetable protein <sup>8</sup>	20
2	Soy sauce <sup>8</sup>	20

#### Section 5. Dioxins and PCBs

No.	Foodstuffs	Maximum Residue Levels		
		Sum of dioxins (WHO-PCDD/F-TEQ)	Sum of dioxins and dioxin-like PCBs (WHO-PCDD/F-TEQ)	Sum of PCB28, PCB52, PCB101, PCB138, PCB153 and PCB180 (ICES-6)
5.1	Meat and meat products (excluding edible offal) of the following animals:			
	bovine animals and sheep	2.5 pg/g fat	4.0 pg/g fat	40 ng/g fat
	poultry	1.75 pg/g fat	3.0 pg/g fat	40 ng/g fat
	pigs	1.0 pg/g fat	1.25 pg/g fat	40 ng/g fat
5.2	Liver of terrestrial animals specified in item 5.1 hereof and derived products thereof	4.5 pg/g fat	10.0 pg/g fat	40 ng/g fat
5.3	Muscle meat of fish and fishery products and products thereof <sup>4</sup> , excluding wild caught eel. The maximum level applies to crustaceans, excluding the brown meat of crab, the head and thorax meat of lobster and similar large crustaceans ( <i>Nephropidae</i> i <i>Palinuridae</i> )	3.5 pg/g fat	6.5 pg/g wet weight	75 ng/g wet weight
5.4	Muscle meat of freshwater fish, excluding diadromous fish species caught in fresh water, and products thereof <sup>4</sup>	3.5 pg/g fat	6.5 pg/g wet weight	125 ng/g wet weight
5.5	Muscle meat of wild caught eel ( <i>Anguilla</i> )	3.5 pg/g fat	10.0 pg/g wet	300 ng/g wet

	<i>anguilla</i> ) and products thereof		weight	weight
5.6	Fish liver and derived products thereof, excluding marine oils specified in item 5.7 hereof	-	20.0 pg/g wet weight	200 ng/g wet weight
5.7	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
5.8	Raw milk and dairy products, including butter fat	2.5 pg/g fat	5.5 pg/g fat	40 ng/g fat
5.9	Eggs and egg products	2.5 pg/g fat	5.0 pg/g fat	40 ng/g fat
5.10	Fat of the following animals:			
	Bovine animals and sheep	2.5 pg/g fat	4.0 pg/g fat	40 ng/g fat
	Poultry	1.75 pg/g fat	3.0 pg/g fat	40 ng/g fat
	Pigs	1.0 pg/g fat	1.250 pg/g fat	40 ng/g fat
5.11	Mixed animal fats	1.5 pg/g fat	2.5 pg/g fat	40 ng/g fat
5.12	Vegetable oils and fats	0.75 pg/g fat	1.25 pg/g fat	40 ng/g fat
5.13	Foodstuffs for infants and young children aged one to three years old	0.1 pg/g wet weight (not allowed in baby foods)	0.2 pg/g wet weight	1.0 ng/g wet weight

## Section 6. Polycyclic Aromatic Hydrocarbons

No.	Foodstuffs	Maximum Residue Levels (µg/kg)	
6.1	<b>Benzo(a)pyrene, benz(a)anthracene, benzo(b)fluoranthene</b>		
		<b>Benzo(a)pyrene</b>	<b>Sum of benzo(a)pyrene, benz(a)anthracene, benzo(b)fluoranthene</b>
6.1.1	Oils and fats (excluding cocoa butter) intended for direct consumption or use as an ingredient in	2.0	10.0

	foodstuffs		
6.1.2	Cocoa beans and derived products	5.0	30.0
6.1.3	Coconut oil intended for direct consumption or use as an ingredient in foodstuffs	2.0	20.0
6.1.4	Smoked meat and smoked meat products	2.0	12.0
6.1.5	Muscle meat of smoked fish and smoked fishery products, excluding bivalve mollusks. The maximum level applies to crustaceans, excluding the brown meat of crab, the head and thorax meat of lobster and similar large crustaceans ( <i>Nephropidae</i> i <i>Palinuridae</i> )	2.0	12.0
6.1.6	Smoked sprats and canned smoked sprats ( <i>Sprattus sprattus</i> ); bivalve mollusks (fresh, chilled or frozen); heat treated meat and heat-treated meat products intended for direct human consumption	5.0	30
6.1.7	Bivalve mollusks (smoked) <sup>4</sup>	6.0	35.0
6.1.8	Processed foodstuffs and baby foods for infants and young children	1.0	1.0
6.1.9	Infant formulae and modified infant formulae, including infant milk and modified milk <sup>7</sup>	1.0	1.0
6.1.10	Dietary foods for special medical purposes intended specifically for infants <sup>7</sup>	1.0	1.0



## Section 7. Melamine

No.	Foodstuffs	Maximum Residue Levels (µg/kg)
7.1	Melamine	
7.1.1	Foodstuffs, excluding infant formulae and follow-on formulae	2.5
7.1.2	Infant formulae and follow-on formulae	1.0

<sup>1</sup> Buckwheat (*Fagopyrum sp*) is included in “cereals” and buckwheat products are included in “cereal products.” The maximum level for fruit is not applied to tree nuts.

<sup>2</sup> The maximum levels do not apply to fresh spinach subject to processing and which is directly transported in bulk from field to a processing plant.

<sup>3</sup> The maximum levels apply to ready to use products (sold as such or after reconstitution according to the instructions of a producer).

<sup>4</sup> If fish is intended to be eaten whole, the maximum level applies to the whole fish.

<sup>5</sup> The maximum level applies upon drying of the fruit or vegetables and separating the edible part.

<sup>6</sup> The maximum level applies to products produced from fruit harvest of the year of 2001 and later.

<sup>7</sup> The maximum level applies to the product as sold.

<sup>8</sup> The maximum level is given for the liquid product containing 40% dry matter, corresponding to a maximum level of 50 µg/kg in the dry matter. The level needs to be adjusted proportionally according to the dry matter content of the products.

### Attachments:

No Attachments.