

USDA Foreign Agricultural Service

GAIN Report

Global Agricultural Information Network

THIS REPORT CONTAINS ASSESSMENTS OF COMMODITY AND TRADE ISSUES MADE BY
USDA STAFF AND NOT NECESSARILY STATEMENTS OF OFFICIAL U.S. GOVERNMENT
POLICY

Voluntary Public

Date: 4/21/2018

GAIN Report Number: MO1813

Morocco

Post: Rabat

Maximum Limits of Contaminants in Food

Report Categories:

Sanitary/Phytosanitary/Food Safety

Grain and Feed

Fishery Products

Oilseeds and Products

Tree Nuts

Dairy and Products

Wine

Livestock and Products

Poultry and Products

Retail Foods

Approved By:

Morgan Haas

Prepared By:

FAS/Rabat

Report Highlights:

This report contains an unofficial translation of Morocco's maximum limits of contaminants in food, as established in 2016, with some limits set to come into force in 2020. This measure has not yet been notified to the WTO.

General Information: This report contains an unofficial translation of Morocco's maximum limits of contaminants in food, as established in 2016, with some limits set to come into force in 2020. This measure has not yet been notified to the WTO.

Joint Decree of the Moroccan Minister of Agriculture and Marine Fisheries and the Minister of Health No. 1643-16 of 23 Chaabane 1437 (30 May 2016) setting the maximum permitted levels for contaminants in primary products and foodstuffs.

(Official Gazette number 6514 of 11/03/2016, page 1681)

THE MINISTER OF AGRICULTURE AND MARINE FISHERIES,
THE MINISTER OF HEALTH,

Pursuant to Decree No. 2-10-473 dated 7 Chaoual 1432 (06 September 2011) issued for the application of some provisions of Law No. 28-07 on the safety of foodstuffs, in particular Article 53 thereof,

DECIDE

ARTICLE ONE. - The maximum permissible levels for contaminants provided for in Article 53 (4) of Decree No. 2-10-473 referred to above, and the relevant alert thresholds are set out in the Annex to this Joint Order.

For all primary products and foodstuffs, these maximum levels and the alert thresholds apply to the edible part of the product concerned.

However, for products intended for infants and young children, the maximum levels laid down apply to the product as consumed.

ART. 2. - For the purposes of this joint order, the following words mean:

- **Contaminant:** any substance that is not intentionally added to the primary product or foodstuff but that remains present in the product concerned as a residue

- of its production, including operations carried out to crops and livestock and in the practice of veterinary medicine; or,
- of its handling, processing, preparation, processing, packaging, wrapping, storage or transport; or,
- as a result of environmental contamination.

Foreign material is not covered by this definition such as insect fragments and animal hair

- **Maximum Level:** the concentration beyond which, for a given ratio of a primary product or a foodstuff with respect to the contaminant, the risk to human health is sufficient to consider the product as non-compliant

- **Alert threshold:** the maximum concentration level of a contaminant beyond which an investigation to understand the modalities and kinetics of contamination of the product is conducted.

ART. 3. - For primary products and foodstuffs that are dried, diluted, processed or composed of more than one ingredient, the maximum contaminant levels laid down in the abovementioned Annex take into account the following:

- the changes in contaminant concentration through drying or dilution
- the changes in contaminant concentration through processing
- the proportions of the ingredients in the product
- the quantification threshold for the analysis.

In the case where no maximum level of contaminants has been set in the abovementioned Annex for the products referred to in the first subparagraph of this Article, the operators of the food businesses and entities responsible for those products at the time when those products are controlled must, on the basis of the abovementioned elements, justify the corresponding concentration, dilution or dehydration factors.

If the operator fails to provide these factors or if he provides inappropriate factors, these factors shall be determined by the Director General of the Moroccan Food Safety Agency (ONSSA) on the basis of the information available to ensure maximum protection of consumer health.

Primary products and foodstuffs not complying with the maximum levels laid down in the abovementioned Annex may not be used as ingredients or mixed with products whose maximum levels are compliant.

ART. 4. The primary products and foodstuffs listed in the abovementioned Annex, for which an alert threshold and its application deadline are set shall be monitored on a regular basis by the competent authorities of ONSSA up to the deadline for the application of the alert threshold set out in that Annex.

Any exceeding of the alert threshold established before its application deadline does not lead to the non-compliance of the product concerned but gives rise to an investigation aimed at understanding the modalities and kinetics of the contamination of the product. After its application deadline, the alert threshold can be converted to a maximum level.

The period granted up to the deadline for the alert threshold must allow the sectors concerned to adapt to the alert threshold and to put in place any measure to understand the causes and reduce the probability of exceeding the said threshold.

ART. 5. - Where an alert threshold is established, the threshold shall apply under the conditions set out in Article 6 below until the date of its application set out in the Annex hereto. After that date, it is decided to modify this alert threshold, to maintain it, to delete it or to transform it into a maximum limit of the same level or a different level.

However, where the scientific evidence indicates the need to alter the alert threshold to ensure maximum consumer health protection, it may be amended before its application deadline.

ART. 6. - When a maximum level or an alert threshold is set or modified, the setting of the new maximum limit or the new alert threshold must take into account the health data and may take into account the:

- socio-economic data of the production concerned, in order to avoid discarding too much of the production;
- technical data, in terms of the capacity of the sectors to implement good production and/or processing practices;
- analytical data, in terms of technical feasibility, existence of methods and laboratories competent to implement them.

ART. 7. The maximum levels laid down in the Annex to this Joint Order shall apply from the date of its publication in the Official Gazette.

The alert thresholds referred to in the abovementioned Annex shall apply from the date of publication of this Joint Order to the Official Gazette until the corresponding application deadline mentioned in that Annex.

ART. 8. - This Joint Order shall be published in the Official Gazette.

Executed in the city of Rabat, on 23 Chaabane 1437 (30 May 2016) The Minister of Agriculture and Marine Fisheries, The Honorable Aziz AKHANNOUCH The Minister of Health, The Honorable El Houssaine LOUARDI

Annex

to the Joint Decree of the Minister of Agriculture and Marine Fisheries and the Minister of Health No 1643-16 dated 23 Chaabane 1437 (30 May 2016) laying down the maximum levels for contaminants authorized in or on primary products and foodstuffs.

I. Nitrates

Category	Primary product or foodstuff	Comment	Maximum levels (mg NO ₃ /kg)	Alert thresholds (mg NO ₃ /kg)	Deadline for the application of alert thresholds
1.1	Fresh spinach (<i>Spinacia oleracea</i>), unless they are intended for processing		-	3500	5 years
1.2	Preserved, deep-frozen or frozen spinach		-	2000	5 years
1.3	Fresh lettuce (<i>Lactuca sativa L.</i>) (protected and open-grown lettuce, excluding lettuce listed in point 1.4)	Harvest from October 1 to March 31 : lettuce grown under cover	-	5000	5 years
		open-grown lettuce		4000	
		Harvest from 1 April to 30 September: lettuce grown under cover,		4000	
		open-grown lettuce		3000	
1.4	"Iceberg" type lettuces	lettuce grown under cover open-grown lettuce	-	2500 2000	5 years
1.5	Roquette (<i>Eruca sativa</i> , <i>Diplomatixissp</i> , <i>Brassica tenuifolia</i> , <i>Sisymbrium tenuifolium</i>)	Harvest from October 1 to March 31	-	7000	5 years
		Harvest from April 1st to September 31st		6000	
1.6	Processed cereal-based foods and baby foods for infants and young children		200	-	-

II. Mycotoxins

Category	Primary product or foodstuff	Maximum levels (µg /kg)			Alert threshold (µg /kg)	Deadline for the application of alert thresholds
		B ₁	Sum of B ₁ , B ₂ , G ₁ and G ₂	M ₁	M ₁	
2.1	Aflatoxins					
2.1.1	Peanuts and other oil seeds, hazelnuts and nuts of Brazil to be subjected to sorting or other physical treatment prior to human consumption or use as food ingredients unless they are intended for crushing for the manufacture of refined vegetable oil	8.0	15.0			
2.1.2	Almonds, pistachios and apricot kernels to be subjected to sorting or other physical treatment before human consumption or use as an ingredient in foodstuffs	12.0	15.0			
2.1.3	Nuts, with the exception of the nuts listed in points 2.1.1 and 2.1.2, to be subjected to sorting or other physical treatment before human consumption or use as an ingredient in foodstuffs	5.0	10.0			
2.1.4	Peanuts and other oil seeds and products derived therefrom for direct human consumption or use as an ingredient in foodstuffs except crude vegetable oils intended for refining refined vegetable oils	2.0	4.0			

2.1.5	Almonds, pistachios and apricot kernels intended for direct human consumption or use as an ingredient in foodstuffs	8.0	10.0			
2.1.6	Hazelnuts and Brazil nuts intended for direct human consumption or use as an ingredient in foodstuffs	5.0	10.0			
2.1.7	Nuts, with the exception of the nuts listed in 2.1 .5. and 2.1.6 and products derived from their processing intended for direct human consumption or use as an ingredient in foodstuffs	2.0	4.0			
2.1.8	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	5.0	10.0			
2.1.9	Dried fruit, other than dried figs, and products derived therefrom, intended for direct human consumption or for use as food ingredients	2.0	4.0			
2.1.10	Dried figs	6.0	10.0			
2.1.11	All cereals and all products derived from cereals, including processed cereal products, with the exception of foodstuffs listed in 2.1.12, 2.1.15 and 2.1.17	2.0	4.0			
2.1.12	Maize and rice to be subjected to sorting or other physical treatment before human consumption or use as an ingredient in foodstuffs	5.0	10.0			
2.1.13	Raw milk, heat-treated milk and milk for the manufacture of milk-based products	-	-	-	0.05	3 years
2.1.14	Following species of spices: <i>Capsicum spp.</i> (Dried fruit thereof, whole or in powder form, including peppers, chili powder, cayenne pepper and paprika) <i>Piper spp.</i> (Fruit thereof, including white and black pepper) <i>Myristica fragrans</i> (nutmeg) <i>Zingiber officinale</i> (ginger) <i>Curcuma longa</i> (Indian saffron) Mixtures of spices containing one or more of the abovementioned spices.	5.0	10.0	-	-	-
2.1.15	Processed cereal-based foods and baby foods for infants and young children.	0.10	-	-	-	-
2.1.16	Infant formulas and follow-on formulas, including infant milk and follow-on milk	-	-	0.025	-	-
2.1.17	Dietary foods for special medical purposes, intended specifically for infants	0.10	-	0.025	-	-
2.2	Ochratoxin A	Maximum levels (µg /kg)		Alert threshold (µg /kg)	Deadline for the application of alert thresholds	
2.2.1	Unprocessed cereals	5.0				
2.2.2	All products derived from unprocessed cereals, including processed cereals products and cereals intended for direct human consumption, with the exception of foodstuffs listed in 2.2.9, 2.2.10 and 2.2.14	3.0				
2.2.3	Dried vine fruit (currants, sultanas and other raisins)			10.0	3 years	
2.2.4	Roasted coffee beans and ground roasted coffee, excluding soluble coffee	5.0		-	-	
2.2.5	Soluble coffee (instant coffee)	10.0		-	-	
2.2.6	Wine (including sparkling wine, excluding “vin de liqueur” wines, and wine with a minimum alcoholic strength by volume of 15%) and fruit wine.	-		2.0	3 years	
2.2.7	Aromatized wine, aromatized wine-based drinks and aromatized wine-product cocktails	-		2.0	3 years	
2.2.8	Grape juice, concentrated grape juice as reconstituted, grape nectar, grape must and concentrated grape as reconstituted, intended for direct human consumption	-		2.0	3 years	
2.2.9	Processed cereal-based foods and baby foods for infants and young children	0.5				
2.2.10	Dietary foods for special medical purposes, intended specifically for infants	0.5				
2.2.11	Spices, including dried <i>Piper spp.</i> (The fruits that come from it, including white pepper and black pepper) <i>Myristica fragrans</i> (nutmeg)	15				

	<i>Zingiber officinale</i> (ginger) <i>Curcuma longa</i> (Indian saffron) <i>Capsicum spp.</i> (Dried fruit, whole or powdered, including chillies, chili powder, cayenne pepper and paprika) Mixtures of spices containing one of the aforementioned spices			
2.2.12	Licorice wood (<i>Glycyrrhiza glabra</i> , <i>Glycyrrhiza inflata</i> and other species), infusion ingredient.	-	20	3 years
2.2.13	Licorice extract (<i>Glycyrrhiza glabra</i> , <i>Glycyrrhiza inflata</i> and other species), for use in foodstuffs, in particular beverages and confectionery.	-	80	3 years
2.2.14	Wheat gluten not sold directly to the consumer	8		
2.3	Patulin	Maximum levels (µg /kg)	Alert threshold (µg /kg)	Deadline for the application of alert thresholds
2.3.1	Fruit juices, concentrated fruit juices as reconstituted and fruit nectars	-	50	4 years
2.3.2	Spirit drinks, cider and other fermented drinks derived from apples or containing apple juice	-	50	4 years
2.3.3	Solid apple products, such as apple compote and apple puree, intended for direct consumption, with the exception of foodstuffs listed in 2.3.4 and 2.3.5.	-	25	4 years
2.3.4	Apple juice and solid apple products, such as apple compote and apple puree, for infants and young children, and labeled and sold as such.	10.0	-	-
2.3.5	Baby foods other than processed cereal-based foods for infants and children.	10.0	-	-
2.4	Deoxynivalenol	Maximum levels (µg /kg)	Alert threshold (µg /kg)	Deadline for the application of alert thresholds
2.4.1	Unprocessed cereals, other than durum wheat, oats, rice and maize	-	1250	4 years
2.4.2	Unprocessed durum wheat and oats	-	1750	4 years
2.4.3	Unprocessed maize with the exception of maize intended to be processed by wet grinding	1750	-	-
2.4.4	Cereals intended for direct human consumption, cereal flour, bran and germ as end product marketed for direct human consumption, with the exception of foodstuffs listed at items 2.4.7, 2.4.8 and 2.4.9 and rice products.	-	750	4 years
2.4.5	Dry pasta	-	750	4 years
2.4.6	Bread (including small bakery products), pastries, biscuits, cereal snacks and breakfast cereals	-	500	4 years
2.4.7	Processed cereal-based foods and baby foods for infants and young children	200	-	-
2.4.8	Milling fractions of maize whose particle size is > 500 microns	750	-	-
2.4.9	Milling fractions of maize whose particle size is ≤ 500 microns.	1250	-	-
2.5	Zearalenone	Maximum levels (µg /kg)	Alert threshold (µg /kg)	Deadline for the application of alert thresholds
2.5.1	Unprocessed cereals other than maize and rice	-	100	4 years
2.5.2	Unprocessed maize with the exception of maize intended to be processed by wet grinding	350	-	-
2.5.3	Cereals intended for direct human consumption, cereal flour, bran and germ as end product marketed for direct human consumption, with the exception of foodstuffs listed in 2.5.6, 2.5.7, 2.5.8 and 2.5.9 and rice products	-	75	4 years
2.5.4	Refined maize oil	-	400	4 years
2.5.5	Bread (including small bakery products), pastries, biscuits, cereal snacks and breakfast cereals, excluding corn snacks and corn breakfast cereals	-	50	4 years
2.5.6	Maize intended for direct human consumption, maize-based snacks and maize based breakfast	100	-	-
2.5.7	Processed cereal-based foods and baby foods for infants and young children	20	-	-
2.5.8	Milling fractions of maize whose particle size is > 500	200	-	-

	microns			
2.5.9	Milling fractions of maize with particle size of ≤ 500 microns.	200	-	-
2.6	Fumonisin (sum B1 + B2)	Maximum levels ($\mu\text{g}/\text{kg}$)	Alert threshold ($\mu\text{g}/\text{kg}$)	Deadline for the application of alert thresholds
2.6.1	Unprocessed maize with the exception of unprocessed maize intended to be processed by wet milling	4000	-	-
2.6.2	Maize intended for direct human consumption, maize-based foodstuffs intended for direct human consumption, with the exception of foodstuffs listed in 2.6.3 and 2.6.4	1000	-	-
2.6.3	Maize based breakfast cereals and maize based snacks	800	-	-
2.6.4	Processed maize-based foods and baby food for infants and young children	200	-	-
2.6.5	Milling fractions of maize whose particle size $\text{Is} > 500$ microns	1400	-	-
2.6.6	Milling fractions of maize whose particle size is ≤ 500 microns	2000	-	-

III. Trace metals

Category	Primary product or foodstuff	Maximum levels (mg /kg)	Alert threshold (mg /kg)	Deadline for the application of alert thresholds
3.1	Lead			
3.1.1	Raw milk, heat-treated milk and milk for the manufacture of milk-based products	-	0.02	3 years
3.1.2	Infant formulas and follow-on formulas	0.02	-	-
3.1.3	Meat of bovine animals, sheep, pig and poultry (excluding offal)	-	0.1	3 years
3.1.4	Offal of bovine animals, sheep, pig and poultry	-	0.5	3 years
3.1.5	Muscle meat of sea fish	0.3	-	-
3.1.6	Muscle meat of freshwater Fish	-	0.5	3 years
3.1.7	Crustaceans: muscle meat of appendages and abdomen. In the case of crabs and crab type crustaceans (<i>Brachyura</i> and <i>Anomura</i>), muscle meat of appendages.	0.5	-	-
3.1.8	Bivalve molluscs	1.5	-	-
3.1.9	Cephalopods (without viscera)	1.0	-	-
3.1.10	Legumes, cereals and pulses	-	0.2	3 years
3.1.11	Vegetables, excluding brassicas, leaf vegetables, herbs, fungi and seaweed. For potatoes, the maximum level applies to peeled potatoes.	-	0.1	3 years
3.1.12	Brassicas, leaf vegetables and following fungi: <i>Agaricus bisporus</i> (Portobello mushroom), <i>Pleurotus ostreatus</i> (oyster mushroom), <i>Lentinula edodes</i> (Shiitake)	-	0.3	3 years
3.1.13	Fruits, excluding berries and small fruits	-	0.1	3 years
3.1.14	Berries and small fruits	-	0.2	3 years
3.1.15	Oils and fats, including milk fats	0.1	-	-
3.1.16	Fruit juices, concentrated fruit juices as reconstituted and fruit nectars	-	0.05	3 years
3.1.17	Wines (including sparkling wines, excluding liqueur wines), ciders, perry and fruit wines	-	0.2	3 years
3.1.18	Aromatized wines, aromatized wine-based drinks and aromatized wine-product cocktails	-	0.2	3 years
3.1.19	Food supplements	3.0	-	-
3.2	Cadmium	Maximum levels (mg /kg)	Alert threshold (mg /kg)	Deadline for the application of alert thresholds
3.2.1	Vegetables and fruit, excluding root and tuber vegetables, leaf vegetables, herbs, cabbages, stem-vegetables, mushrooms and seaweed	-	0.05	3 years
3.2.2	Root vegetables and tuber vegetables (excluding celeriac, parsnips, salsify and horseradish), stem vegetables (excluding celery). For potatoes, the maximum level applies to peeled potatoes.	-	0.10	3 years
3.2.3	Leafy vegetables, celery, celery, parsnips, salsify, horseradish and mushrooms: <i>Agaricus bisporus</i> (Portobello mushroom), <i>Pleurotus ostreatus</i> (oyster mushroom oyster mushroom), <i>Lentinula edodes</i> (Shiitake)	-	0.2	3 years

3.2.4	Mushrooms, excluding those listed in 3.2.3	-	1.0	3 years
3.2.5	Cereal grains, excluding wheat and rice	-	0.1	3 years
3.2.6	Wheat grains, rice grains, wheat bran and wheat germ for direct consumption, soya beans	-	0.2	3 years
3.2.7	Specific cocoa and chocolate products, listed below: - milk chocolate with <30% of total dry cocoa solids	-	0.1	1 st January 2019
	- chocolate with <50% of total dry cocoa solids, milk chocolate with ≥ 30% of total dry cocoa solids		0.3	
	- chocolate with ≥ 50% of total dry cocoa solids		0.8	
	- cocoa powder sold to the final consumer or as an ingredient in sweetened cocoa powder sold to the final consumer (chocolate drink)		0.6	
3.2.8	Meat of bovine animals, sheep, pig and poultry (excluding offal)	-	0.05	3 years
3.2.9	Horsemeat, excluding offal	-	0.2	3 years
3.2.10	Livers of bovine animals, sheep, pig, poultry and horse	-	0.5	3 years
3.2.11	Kidneys of bovine animals, sheep, pig, poultry and horse	-	1.0	3 years
3.2.12	Muscle meat of sea fish, excluding the species listed in 3.2.13, 3.2.14 and 3.2.15	0.05	-	-
3.2.13	Muscle meat of the following fish: mackerel (<i>Scombersp</i>), tuna (<i>Thunnus</i> sp, <i>Katsuwonus pelamis</i> , <i>Euthynnus</i> sp), Bichique (<i>Sicyopterus Lagocephalus</i>)	0.1	-	-
3.2.14	Muscle meat of the following fish: <i>bullet tune</i> (<i>Auxis</i> species)	0.15	-	-
3.2.15	Muscle meat of the following fish: anchovy (<i>Engraulis sp.</i>), swordfish (<i>Xiphias gladius</i>), sardine (<i>Sardina Pilchardus</i>)	0.25	-	-
3.2.16	Muscle meat of freshwater fish	-	0.05	3 years
3.2.17	Crustaceans: muscle meat of appendages and abdomen. For crabs and crab type crustaceans (<i>Brachyura</i> and <i>Anomura</i>), muscle meat of appendages.	0.5	-	-
3.2.18	Bivalve molluscs	1.0	-	-
3.2.19	Cephalopods (without viscera)	1.0	-	-
3.2.20	Infant formulas and follow-on formulas: - powdered formulas based on cow's milk proteins or protein hydrolysates	0.01	-	-
	Powdered formulas based on soy protein isolates, alone or in combination with cow's milk proteins	0.005		
	Powdered formulas based on soy protein isolates, alone or in combination with cow's milk proteins	0.02		
	Liquid formulas made from soy protein isolates, alone or in combination with cow's milk proteins	0.01		
3.2.21	Processed cereal based foods and baby foods for infants and young children	0.04	-	-
3.2.22	Food supplements, excluding those listed in 3.2.23	1.0	-	-
3.2.23	Dietary supplements composed exclusively or mainly of dried seaweed, products derived from seaweed, or dried bivalve molluscs	3.0	-	-
3.3	Mercury	Maximum levels (mg /kg)	Alert threshold (mg /kg)	Deadline for the application of alert thresholds
3.3.1	Fishery products and muscle meat of sea fish, excluding the species listed in 3.3.2. And 3.3.3. The maximum level for crustaceans applies to the muscle meat of the appendages and the abdomen. For crab and crab-type crustaceans (<i>Brachyura</i> and <i>Anomura</i>), it applies to the muscle meat of the appendages.	0.5	-	-
3.3.2	Muscle meat of the following fishes: anglerfish (<i>Lophius species</i>) catfish (<i>Anarhichas lupus</i>) Bonito (<i>Sarda sarda</i>) Eel (<i>Anguilla species</i>) Emperor, orange roughy, or Mediterranean slimehead (<i>Hoplostetis mediterraneus</i>) (<i>Hoplostethus sp.</i>) rock grenadier (<i>Coryphaenoides rupestris</i>) halibut (<i>Hippoglossus hippoglossus</i>) Kingklip (<i>Genypterus capensis</i>), marlin (<i>Makaira species</i>) Cardin (<i>Lepidorhombus sp.</i>) Mule (<i>Mullus sp.</i>) Pink cusk-eel (<i>Genypterus blacodes</i>) Plain bonito (<i>Orcynopsis unicolor</i>) Poor cod (<i>Tricopterus minutes</i>)	1.0	-	-

	Common pailona (<i>Centroscymnes coelolepis</i>) Rays (<i>Raja</i> species) Large redfish (<i>Sebastes marinus</i> , <i>S. mentella</i> , <i>S. viviparus</i>) Sailfish (<i>Istiophorus platypterus</i>) Sabers (<i>Lepidopus caudatus</i> , <i>Aphanopus carbo</i>) Seabream, pageot (<i>Pagellus</i> species) Sharks (all species) Snake mackerel or butterfish, ruvettus pretiosus, snake mackerel (<i>Lepidocybium flavobrunneum</i> , <i>Ruvettus pretiosus</i> , <i>Gempylus serpens</i>) Sturgeon (<i>Acipenser</i> sp.) Swordfish (<i>Xiphias gladius</i>) Tuna (<i>Thunnus</i> sp., <i>Euthynnus</i> sp., <i>Katsuwonus pelamis</i>)			
3.3.3	Muscle meat of freshwater fish, excluding species of 3.3.4	-	0.5	3 years
3.3.4	Muscle meat of the following freshwater fish: pike (<i>Esox lucius</i>)	-	1.0	3 years
3.3.5	Food supplements	0.1	-	-
3.4	Inorganic tin	Maximum levels (mg /kg)	Alert threshold (mg /kg)	Deadline for the application of alert thresholds
3.4.1	Canned food other than beverages	200	-	-
3.4.2	Canned beverages, including fruit juices and vegetable juices	100	-	-
3.4.3	Canned baby foods and processed cereal-based foods for infants and young children, excluding dried and powdered products	50	-	-
3.4.4	Canned infant formulas and follow-on formulas (including infant milk and follow-on milk), excluding dried and powdered products	50	-	-
3.4.5	Canned dietetic foods for special medical purposes, intended specifically for infants, excluding dried and powdered products	50	-	-

IV. 3-monochloropropane-1,2-diol (3-MCPD)

Category	Primary product or foodstuff	Maximum levels (µg /kg)	Alert threshold (µg /kg)	Deadline for the application of alert thresholds
4.1	Hydrolyzed vegetable protein	20	-	-
4.2	Soy sauce	20	-	-

V. Dioxins and PCBs

Category	Primary product or foodstuff	Maximum levels			Alert threshold			Deadline for the application of alert thresholds
		Sum of dioxins (WHO PCDD/F-TEQ)	Sum of dioxins and dioxin-like PCBs (WHO-PCDD/F-PCB-TEQ)	Sum of PCB28, PCB52, PCB101, PCB138, PCB153 and PCB180	Sum of dioxins (WHO PCDD/F-TEQ)	Sum of dioxins and dioxin-like PCBs (WHO-PCDD/F-PCB-TEQ)	Sum of PCB28, PCB52, PCB101, PCB138, PCB153 and PCB180	
5.1	Meat and meat products (excluding edible offal), including their fat, derived from the following animals:				2.5 pg/g fat	4.0 pg/g fat	40 ng/g fat	4 years

	- bovine animals and sheep							
	- 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	Livers of terrestrial animals referred to in 5.1, with the exception of livers of sheep and products thereof				0.30 pg/g wet weight	0.50 pg/g wet weight	3.0 ng/g wet weight	4 years
5.3	Livers of sheep and products thereof				1.25 pg/g wet weight	2.00 pg/g wet weight	3.0 ng/g wet weight	4 years
5.4	Muscle meat of sea fish, fishery products and products thereof, excluding: <ul style="list-style-type: none"> - wild caught eel, - wild caught freshwater fish, except diadromous fish species caught in freshwater, - freshwater fish - Fish liver and products derived from its processing, - marine oils The maximum level for crustaceans applies to the muscle meat of the appendages and the abdomen. For crabs and crab-type crustaceans (<i>Brachyura</i> and <i>Anomura</i>), it applies to the muscle meat of the appendages.				3.5 pg/g wet weight	6.5 pg/g wet weight	75 ng/g wet weight	4 years
5.5	Muscle meat of wild freshwater caught fish, except diadromous fish species caught in freshwater, and products thereof				3.5 pg/g wet weight	6.5 pg/g wet weight	125 ng/g wet weight	4 years
5.6	Muscle meat of wild caught eel (<i>Anguilla anguilla</i>)				3.5 pg/g wet weight	10 pg/g wet weight	300 ng/g wet weight	4 years
5.7	Muscle meat of freshwater fish				3.5 pg/g wet weight	6.5 pg/g wet weight	125 ng/g wet weight	4 years
5.8	Fish liver and processed products thereof, excluding marine oils referred to in 5.9				-	20 pg/g wet weight	200 ng/g wet weight	4 years
5.9	Marine oils (fish body oil, fish liver oil and oils of other marine organisms intended for human consumption)				1.75 pg/g wet weight	6.0 pg/g wet weight	200 ng/g wet weight	4 years
5.10	Raw milk and dairy products, including butterfat				2.5 pg/g wet weight	5.5 pg/g wet weight	40 ng/g wet weight	4 years
5.11	Chicken eggs and egg products				2.5 pg/g wet weight	5.0 pg/g wet weight	40 ng/g wet weight	4 years
5.12	Mixed animal fats				1.5 pg/g fat	2.5 pg/g fat	40 ng/g fat	4 years
5.13	Vegetable oils and fats				0.75 pg/g fat	1.25 pg/g fat	40 ng/g fat	4 years

5.14	Foodstuffs for infants and young children	0.1 pg/g wet weight	0.2 pg/g wet weight	1.0 ng/g wet weight	-	-	-	-
------	-------------------------------------------	---------------------	---------------------	---------------------	---	---	---	---

VI. Polycyclic Aromatic Hydrocarbons

Category	Primary product or foodstuff	Maximum levels (µg /kg)		Alert threshold (µg /kg)		Deadline for the application of alert thresholds
		Benzo(a)pyrene	Sum of benzo(a)pyrene, benzo(a)anthracene, benzo(b)fluoranthene and chrysene	Benzo(a)pyrene	Sum of benzo(a)pyrene, benzo(a)anthracene, benzo(b)fluoranthene and chrysene	
6.1	Oils and fats (excluding cocoa butter and coconut oil) intended for direct human consumption or use as an ingredient for foods	-	-	2.0	10.0	3 years
6.2	Cocoa Beans and products thereof	5.0	30.0	-	-	-
6.3	Coconut oil intended for direct human consumption or use as an ingredient for foods	2.0	20.0	-	-	-
6.4	Smoked meats and smoked meat products	-	-	2.0	12.0	6 years
6.5	Muscle meat of smoked fish and smoked fishery products, excluding the fishery products listed in 6.6 and 6.7. The maximum level for smoked crustaceans applies to the muscle meat of the appendages and the abdomen. In the case of crabs and smoked crab-type crustaceans (<i>Brachyura</i> and <i>Anomura</i>), it applies to the muscle meat of the appendages.	2.0	12.0	-	-	6 years
6.6	Smoked sprat and canned sprat (<i>Sprattus sprattus</i>)	5.0	30.0	-	-	-
6.7	Grilled or barbecued cooked meat and Grilled or barbecued meat products, sold to the final consumer	-	-	6.0	35.0	6 years
6.8	Bivalve molluscs (fresh, chilled or frozen)	5.0	30.0	-	-	-
6.9	Bivalve molluscs (smoked)	-	-	6.0	35.0	6 years
6.10	Processed cereal-based food and baby food for infants and young children	1.0	1.0	-	-	-
6.11	Infant formulas and follow-on formulas, including infant milk and follow-on milk	1.0	1.0	-	-	-
6.12	Dietary foods for special	1.0	1.0	-	-	-

	medical purposes intended specifically for infants.					
--	--------------------------------------------------------	--	--	--	--	--