

Status: Point in time view as at 01/01/2012.

Changes to legislation: There are currently no known outstanding effects for the Commission Regulation (EC) No 1881/2006. (See end of Document for details)

ANNEX

MAXIMUM LEVELS FOR CERTAIN CONTAMINANTS IN FOODSTUFFS⁰

[^{F1}Section 1:Nitrate

Foodstuffs ⁰		Maximum levels (mg NO ₃ /kg)	
1.1	Fresh spinach (<i>Spinacia oleracea</i>) ⁰		3 500
1.2	Preserved, deep-frozen or frozen spinach		2 000
1.3	Fresh Lettuce (<i>Lactuca sativa</i> L.) (protected and open-grown lettuce) excluding lettuce listed in point 1.4	Harvested 1 October to 31 March:	
		lettuce grown under cover	5 000
		lettuce grown in the open air	4 000
		Harvested 1 April to 30 September:	
		lettuce grown under cover	4 000
		lettuce grown in the open air	3 000
1.4	'Iceberg' type lettuce	Lettuce grown under cover	2 500
		Lettuce grown in the open air	2 000
1.5	Rucola (<i>Eruca sativa</i> , <i>Diplotaxis</i> sp., <i>Brassica tenuifolia</i> , <i>Sisymbrium tenuifolium</i>)	Harvested 1 October to 31 March:	7 000
		Harvested 1 April to 30 September:	6 000
1.6	Processed cereal-based foods and baby foods for infants and young children ⁰⁰		200]

Section 2:Mycotoxins

Foodstuffs ⁰		Maximum levels (µg/kg)		
[^{F2} 2.1.	Aflatoxins	B ₁	Sum of B ₁ , B ₂ , G ₁ and G ₂	M ₁
2.1.1.	Groundnuts (peanuts) and other oilseeds ⁰ ,	8,0 ⁰	15,0 ⁰	—

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	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 crushing for refined vegetable oil production			
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 ⁰	15,0 ⁰	—
2.1.3.	Hazelnuts and Brazil nuts, to be subjected to sorting, or other physical treatment, before human consumption or use as an ingredient in foodstuffs	8,0 ⁰	15,0 ⁰	
2.1.4.	Tree nuts, other than the tree nuts listed in 2.1.2 and 2.1.3,	5,0 ⁰	10,0 ⁰	—

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	to be subjected to sorting, or other physical treatment, before human consumption or use as an ingredient in foodstuffs			
2.1.5.	Groundnuts (peanuts) and other oilseeds ⁰ and processed products thereof, intended for direct human consumption or use as an ingredient in foodstuffs, with the exception of: — crude vegetable oils destined for refining — refined vegetable oils	2,0 ⁰	4,0 ⁰	—
2.1.6.	Almonds, pistachios and apricot kernels, intended for direct human consumption or use as an ingredient in foodstuffs ⁰	8,0 ⁰	10,0 ⁰	—
2.1.7.	Hazelnuts and Brazil nuts, intended for direct human consumption or use as an ingredient in foodstuffs ⁰	5,0 ⁰	10,0 ⁰	

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2.1.8.	Tree nuts, other than the tree nuts listed in 2.1.6 and 2.1.7, and processed products thereof, intended for direct human consumption or use as an ingredient in foodstuffs	2,0 ⁰	4,0 ⁰	—
2.1.9.	Dried fruit to be subjected to sorting, or other physical treatment, before human consumption or use as an ingredient in foodstuffs	5,0	10,0	—
2.1.10.	Dried fruit and processed products thereof, intended for direct human consumption or use as an ingredient in foodstuffs	2,0	4,0	—
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	5,0	10,0	—

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	or use as an ingredient in foodstuffs			
2.1.13.	Raw milk ⁰ , heat-treated milk and milk for the manufacture of milk-based products	—	—	0,05
2.1.14.	Following species of spices: <i>Capsicum</i> spp. (dried fruits thereof, whole or ground, including chillies, chilli powder, cayenne and paprika) <i>Piper</i> spp. (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	5,0	10,0	—

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2.1.15.	Processed cereal-based foods and baby foods for infants and young children ⁰⁰	0,1	—	—
2.1.16.	Infant formulae and follow-on formulae, including infant milk and follow-on milk ⁰⁰	—	—	0,025
2.1.17.	Dietary foods for special medical purposes ⁰⁰ intended specifically for infants	0,1	—	0,025]
2.2	Ochratoxin A			
2.2.1	Unprocessed cereals	5,0		
2.2.2	All products derived from unprocessed cereals, including processed cereal products and cereals intended for direct human consumption with the exception of foodstuffs listed in 2.2.9 and 2.2.10	3,0		
2.2.3	Dried vine fruit (currants, raisins and sultanas)	10,0		
2.2.4	Roasted coffee beans and ground roasted coffee, excluding soluble coffee	5,0		
2.2.5	Soluble coffee (instant coffee)	10,0		

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2.2.6	Wine (including sparkling wine, excluding liqueur wine and wine with an alcoholic strength of not less than 15 % vol) and fruit wine ⁰	2,0 ⁰
2.2.7	Aromatised wine, aromatised wine-based drinks and aromatised wine-product cocktails ⁰	2,0 ⁰
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 ⁰	2,0 ⁰
2.2.9	Processed cereal-based foods and baby foods for infants and young children ⁰⁰	0,5
2.2.10	Dietary foods for special medical purposes ⁰⁰ intended specifically for infants	0,5
[^{F3} 2.2.11.	Spices <i>Capsicum</i> spp. (dried fruits thereof, whole	30 µg/kg as from 1.7.2010 until 30.6.2012 15 µg/kg as from 1.7.2012

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	<p>or ground, including chillies, chilli powder, cayenne and paprika) <i>Piper</i> spp. (fruits thereof, including white and black pepper) <i>Myristica fragrans</i> (nutmeg) <i>Zingiber officinale</i> (ginger) <i>Curcuma longa</i> (turmeric)</p> <p>Mixtures of spices containing one or more of the abovementioned spices</p>	
2.2.12.	Liquorice (<i>Glycyrrhiza glabra</i> , <i>Glycyrrhiza inflata</i> and other species)	
2.2.12.1.	Liquorice root, ingredient for herbal infusion	20 µg/kg
2.2.12.2.	Liquorice extract ⁰ , for use in food in particular beverages and confectionary	80 µg/kg]
2.3	Patulin	

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2.3.1	Fruit juices, concentrated fruit juices as reconstituted and fruit nectars ⁰	50
2.3.2	Spirit drinks ⁰ , cider and other fermented drinks derived from apples or containing apple juice	50
2.3.3	Solid apple products, including apple compote, apple puree intended for direct consumption with the exception of foodstuffs listed in 2.3.4 and 2.3.5	25
2.3.4	Apple juice and solid apple products, including apple compote and apple puree, for infants and young children ⁰ and labelled and sold as such ⁰	10,0
2.3.5	Baby foods other than processed cereal-based foods for infants and young children ⁰⁰	10,0
[^{F4} 2.4	Deoxynivalenol⁰	
2.4.1	Unprocessed cereals ⁰⁰ other than durum wheat, oats and maize	1 250

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2.4.2	Unprocessed durum wheat and oats ⁰⁰	1 750
2.4.3	Unprocessed maize ⁰ , with the exception of unprocessed maize intended to be processed by wet milling ⁰	1 750 ⁰
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 in 2.4.7, 2.4.8 and 2.4.9	750
2.4.5	Pasta (dry) ⁰	750
2.4.6	Bread (including small bakery wares), pastries, biscuits, cereal snacks and breakfast cereals	500
2.4.7	Processed cereal-based foods and baby foods for infants and young children ⁰⁰	200
2.4.8	Milling fractions of maize with particle size > 500 micron falling within CN code 1103 13 or 1103 20 40 and other maize milling products with particle size	750 ⁰

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	> 500 micron not used for direct human consumption falling within CN code 1904 10 10	
2.4.9	Milling fractions of maize with particle size ≤ 500 micron falling within CN code 1102 20 and other maize milling products with particle size ≤ 500 micron not used for direct human consumption falling within CN code 1904 10 10	1 250 ⁰
2.5	Zearalenone ⁰	
2.5.1	Unprocessed cereals ⁰⁰ other than maize	100
2.5.2	Unprocessed maize ⁰ with the exception of unprocessed maize intended to be processed by wet milling ⁰	350 ⁰
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,	75

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	2.5.8, 2.5.9 and 2.5.10	
2.5.4	Refined maize oil	400 ⁰
2.5.5	Bread (including small bakery wares), pastries, biscuits, cereal snacks and breakfast cereals, excluding maize-snacks and maize-based breakfast cereals	50
2.5.6	Maize intended for direct human consumption, maize-based snacks and maize-based breakfast cereals	100 ⁰
2.5.7	Processed cereal-based foods (excluding processed maize-based foods) and baby foods for infants and young children ⁰⁰	20
2.5.8	Processed maize-based foods for infants and young children ⁰⁰	20 ⁰
2.5.9	Milling fractions of maize with particle size > 500 micron falling within CN code 1103 13 or 1103 20 40 and other maize milling products with particle size > 500 micron not used for direct human consumption	200 ⁰

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	falling within CN code 1904 10 10	
2.5.10	Milling fractions of maize with particle size ≤ 500 micron falling within CN code 1102 20 and other maize milling products with particle size ≤ 500 micron not used for direct human consumption falling within CN code 1904 10 10	300 ⁰
2.6	Fumonisin	Sum of B ₁ and B ₂
2.6.1	Unprocessed maize ⁰ , with the exception of unprocessed maize intended to be processed by wet milling ⁰	4 000 ⁰
2.6.2	Maize intended for direct human consumption, maize-based foods for direct human consumption, with the exception of foodstuffs listed in 2.6.3 and 2.6.4	1 000 ⁰
2.6.3	Maize-based breakfast cereals and maize-based snacks	800 ⁰
2.6.4	Processed maize-based foods and baby foods for infants	200 ⁰

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	and young children ⁰⁰	
2.6.5	Milling fractions of maize with particle size > 500 micron falling within CN 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 CN code 1904 10 10	1 400 ⁰
2.6.6	Milling fractions of maize with particle size ≤ 500 micron falling within CN code 1102 20 and other maize milling products with particle size ≤ 500 micron not used for direct human consumption falling within CN code 1904 10 10	2 000 ⁰
2.7	T-2 and HT-2 toxin⁰	Sum of T-2 and HT-2 toxin
2.7.1	Unprocessed cereals ⁰ and cereal products	

Section 3: Metals

Foodstuffs ⁰		Maximum levels(mg/kg wet weight)
3.1	Lead	

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3.1.1	Raw milk ⁰ , heat-treated milk and milk for the manufacture of milk-based products	0,02
3.1.2	Infant formulae and follow-on formulae ⁰⁰	0,02
3.1.3	Meat (excluding offal) of bovine animals, sheep, pig and poultry ⁰	0,1
3.1.4	Offal of bovine animals, sheep, pig and poultry ⁰	0,5
3.1.5	Muscle meat of fish ⁰⁰	0,3
[^{F5} 3.1.6	Crustaceans ⁰ : muscle meat from appendages and abdomen ⁰ . In case of crabs and crab-like crustaceans (<i>Brachyura</i> and <i>Anomura</i>) muscle meat from appendages.	0,5]
3.1.7	Bivalve molluscs ⁰	1,5
3.1.8	Cephalopods (without viscera) ⁰	1,0
[^{F5} 3.1.9	Legume vegetables ⁰ , cereals and pulses	0,2
3.1.10	Vegetables, excluding brassica vegetables, leaf vegetables, fresh herbs, fungi and seaweed ⁰ . For potatoes the maximum level applies to peeled potatoes.	0,1
3.1.11	Brassica vegetables, leaf vegetables ⁰ and the following fungi ⁰ : <i>Agaricus bisporus</i> (common mushroom), <i>Pleurotus ostreatus</i> (Oyster mushroom), <i>Lentinula edodes</i> (Shiitake mushroom)	0,3]
3.1.12	Fruit, excluding berries and small fruit ⁰	0,1
3.1.13	Berries and small fruit ⁰	0,2
3.1.14	Fats and oils, including milk fat	0,1

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3.1.15	Fruit juices, concentrated fruit juices as reconstituted and fruit nectars ⁰	0,05
3.1.16	Wine (including sparkling wine, excluding liqueur wine), cider, perry and fruit wine ⁰	0,2 ⁰
3.1.17	Aromatized wine, aromatized wine-based drinks and aromatized wine-product cocktails ⁰	0,2 ⁰
[^{F6} 3.1.18	Food supplements ⁰	3,0]
[^{F7} 3.2	Cadmium	
3.2.1	Meat (excluding offal) of bovine animals, sheep, pig and poultry ⁰	0,05
3.2.2	Horsemeat, excluding offal ⁰	0,2
3.2.3	Liver of bovine animals, sheep, pig, poultry and horse ⁰	0,5
3.2.4	Kidney of bovine animals, sheep, pig, poultry and horse ⁰	1,0
3.2.5	Muscle meat of fish ⁰⁰ , excluding species listed in points 3.2.6, 3.2.7 and 3.2.8	0,05
3.2.6	Muscle meat of the following fish ⁰⁰ : bonito (<i>Sarda sarda</i>) common two-banded seabream (<i>Diplodus vulgaris</i>) eel (<i>Anguilla anguilla</i>) grey mullet (<i>Mugil labrosus labrosus</i>) horse mackerel or scad (<i>Trachurus species</i>) louvar or luvar (<i>Luvarus imperialis</i>) mackerel (<i>Scomber species</i>)	0,1

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	sardine (<i>Sardina pilchardus</i>) sardinops (<i>Sardinops species</i>) tuna (<i>Thunnus species</i> , <i>Euthynnus species</i> , <i>Katsuwonus pelamis</i>) wedge sole (<i>Dicologlossa cuneata</i>)	
3.2.7	Muscle meat of the following fish ⁰⁰ : bullet tuna (<i>Auxis species</i>)	0,2
3.2.8	Muscle meat of the following fish ⁰⁰ : anchovy (<i>Engraulis species</i>) swordfish (<i>Xiphias gladius</i>)	0,3
[^{F5} 3.2.9	Crustaceans ⁰ : muscle meat from appendages and abdomen ⁰ . In case of crabs and crab-like crustaceans (<i>Brachyura and Anomura</i>) muscle meat from appendages.	0,5]
3.2.10	Bivalve molluscs ⁰	1,0
3.2.11	Cephalopods (without viscera) ⁰	1,0
3.2.12	Cereals excluding bran, germ, wheat and rice	0,1
3.2.13	Bran, germ, wheat and rice	0,2
3.2.14	Soybeans	0,2
[^{F5} 3.2.15	Vegetables and fruit, excluding leaf vegetables, fresh herbs, leafy brassica, fungi, stem vegetables, root and tuber vegetables and seaweed ⁰	0,05
3.2.16	Stem vegetables, root and tuber vegetables excluding celeriac ⁰ . For potatoes the	0,1

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	maximum level applies to peeled potatoes.	
3.2.17	Leaf vegetables, fresh herbs, leafy brassica, celeriac and the following fungi ⁰ : <i>Agaricus bisporus</i> (common mushroom), <i>Pleurotus ostreatus</i> (Oyster mushroom), <i>Lentinula edodes</i> (Shiitake mushroom)	0,2]
3.2.18	Fungi, excluding those listed in point 3.2.17 ⁰	1,0]
[^{F6} 3.2.19	Food supplements ⁰ excl. food supplements listed in point 3.2.20	1,0]
[^{F5} 3.2.20	Food supplements ⁰ consisting exclusively or mainly of dried seaweed, products derived from seaweed, or of dried bivalve molluscs	3,0]
3.3	Mercury	
[^{F5} 3.3.1	Fishery products ⁰ and muscle meat of fish ⁰⁰ , excluding species listed in 3.3.2. The maximum level for crustaceans applies to muscle meat from appendages and abdomen ⁰ . In case of crabs and crab-like crustaceans (<i>Brachyura</i> and <i>Anomura</i>) it applies to muscle meat from appendages.	0,5]
[^{F7} 3.3.2	Muscle meat of the following fish ⁰⁰ : 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	1,0]

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	<p>(<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. viviparus</i>) sail fish (<i>Istiophorus platypterus</i>) scabbard fish (<i>Lepidopus caudatus</i>, <i>Aphanopus carbo</i>) seabream, pandora (<i>Pagellus species</i>) shark (all species) snake mackerel or butterflyfish (<i>Lepidocybium flavobrunneum</i>,</p>	
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	<i>Ruvettus pretiosus, Gempylus serpens)</i> sturgeon (<i>Acipenser species</i>) swordfish (<i>Xiphias gladius</i>) tuna (<i>Thunnus species, Euthynnus species, Katsuwonus pelamis</i>)	
[^{F6} 3.3.3	Food supplements ⁰	0,1]
3.4	Tin (inorganic)	
3.4.1	Canned foods 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 ⁰⁰	50
3.4.4	Canned infant formulae and follow-on formulae (including infant milk and follow-on milk), excluding dried and powdered products ⁰⁰	50
3.4.5	Canned dietary foods for special medical purposes ⁰⁰ intended specifically for infants, excluding dried and powdered products	50

Section 4:3-monochloropropane-1,2-diol (3-MCPD)

Foodstuffs ⁰		Maximum levels(µg/kg)
4.1	Hydrolysed vegetable protein ⁰	20
4.2	Soy sauce ⁰	20

[^{F8}Section 5:Dioxins and PCBs⁰

Foodstuffs	Maximum levels
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[^{F8}Section 5:Dioxins and PCBs⁰

		Sum of dioxins (WHO-PCDD/F-TEQ)⁰	Sum of dioxins and dioxin-like PCBs (WHO-PCDD/F-PCB-TEQ)⁰	Sum of PCB28, PCB52, PCB101, PCB138, PCB153 and PCB180 (ICES – 6)⁰
5.1	Meat and meat products (excluding edible offal) of the following animals ⁰ :			
	— bovine animals and sheep	2,5 pg/g fat ⁰	4,0 pg/g fat ⁰	40 ng/g fat ⁰
	— poultry	1,75 pg/g fat ⁰	3,0 pg/g fat ⁰	40 ng/g fat ⁰
	— pigs	1,0 pg/g fat ⁰	1,25 pg/g fat ⁰	40 ng/g fat ⁰
5.2	Liver of terrestrial animals referred to in 5.1 ⁰ , and derived products thereof,	4,5 pg/g fat ⁰	10,0 pg/g fat ⁰	40 ng/g fat ⁰
5.3	Muscle meat of fish and fishery products and products thereof ⁰⁰ , with the exemption of: — wild caught eel — wild caught fresh water fish, with the exception of	3,5 pg/g wet weight	6,5 pg/g wet weight	75 ng/g wet weight

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F⁸Section 5:Dioxins and PCBs⁰

	<p>diadromous fish species caught in fresh water</p> <p>— fish liver and derived products</p> <p>— marine oils</p> <p>The maximum level for crustaceans applies to muscle meat from appendages and abdomen⁰. In case of crabs and crab-like crustaceans (<i>Brachyura</i> and <i>Anomura</i>) it applies to muscle meat from appendages.</p>			
5.4	Muscle meat of wild caught fresh water fish, with the exception of diadromous fish species caught in fresh water, and products thereof ⁰	3,5 pg/g wet weight	6,5 pg/g wet weight	125 ng/g wet weight
5.5	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
5.6	Fish liver and derived products thereof with the exception of marine oils referred to in point 5.7	—	20,0 pg/g wet weight ⁰	200 ng/g wet weight ⁰

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^{F8}Section 5: Dioxins and PCBs⁰

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 ⁰ and dairy products ⁰ , including butter fat	2,5 pg/g fat ⁰	5,5 pg/g fat ⁰	40 ng/g fat ⁰
5.9	Hen eggs and egg products ⁰	2,5 pg/g fat ⁰	5,0 pg/g fat ⁰	40 ng/g fat ⁰
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	1,25 pg/g fat	40 ng/g fat
5.11	Mixed animal fats	1,5 pg/g fat	2,50 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	Foods for infants and young children ⁰	0,1 pg/g wet weight	0,2 pg/g wet weight	1,0 ng/g wet weight]

Section 6: Polycyclic aromatic hydrocarbons

Foodstuffs		Maximum levels(µg/kg wet weight)
6.1	Benzo(a)pyreneⁱⁱ	
6.1.1	Oils and fats (excluding cocoa butter) intended for direct human consumption or use as an ingredient in foods	2,0
6.1.2	Smoked meats and smoked meat products	5,0

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Changes to legislation: There are currently no known outstanding effects for the Commission Regulation (EC) No 1881/2006. (See end of Document for details)

Section 6: Polycyclic aromatic hydrocarbons

[^{F5} 6.1.3	Muscle meat of smoked fish and smoked fishery products ^{yij} , excluding bivalve molluscs. The maximum level for smoked crustaceans applies to muscle meat from appendages and abdomen ^{rr} . In case of smoked crabs and crab-like crustaceans (<i>Brachyura and Anomura</i>) it applies to muscle meat from appendages.	5,0]
6.1.4	Muscle meat of fish ^{yy} , other than smoked fish	2,0
[^{F5} 6.1.5	Crustaceans, cephalopods, other than smoked. The maximum level for crustaceans applies to muscle meat from appendages and abdomen ^{rr} . In case of crabs and crab-like crustaceans (<i>Brachyura and Anomura</i>) it applies to muscle meat from appendages.	5,0]
6.1.6	Bivalve molluscs	10,0
6.1.7	Processed cereal-based foods and baby foods for infants and young children ^{ccc}	1,0
6.1.8	Infant formulae and follow-on formulae, including infant milk and follow-on milk ^{hec}	1,0
6.1.9	Dietary foods for special medical purposes ^{icc} intended specifically for infants	1,0

a As regards fruits, vegetables and cereals, reference is made to the foodstuffs listed in the relevant category as defined in Regulation (EC) No 396/2005 of the European Parliament and of the Council of 23 February 2005 on maximum residue levels of pesticides in or on food and feed of plant and animal origin and amending Council Directive 91/414/EEC (OJ L 70, 16.3.2005, p. 1) as last amended by Regulation (EC) No 178/2006 (OJ L 29, 2.2.2006, p. 3). This means, *inter alia*, that buckwheat (*Fagopyrum* sp) is included in 'cereals' and buckwheat products are included in 'cereal products'. [^{F6}Tree nuts are not covered by the maximum level for fruit.]

b The maximum levels do not apply for fresh spinach to be subjected to processing and which is directly transported in bulk from field to processing plant.

c [^{F5}Foodstuffs listed in this category as defined in Commission Directive 2006/125/EC of 5 December 2006 on processed cereal-based foods and baby foods for infants and young children (OJ L 339, 6.12.2006, p. 16).]

d The maximum level refers to the products ready to use (marketed as such or after reconstitution as instructed by the manufacturer).

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e	[^{F2} The maximum levels refer to the edible part of groundnuts (peanuts) and tree nuts. If groundnuts (peanuts) and tree nuts 'in shell' are analysed, it is assumed when calculating the aflatoxin content all the contamination is on the edible part, except in the case of Brazil nuts.]
f	Foodstuffs listed in this category as defined in Regulation (EC) No 853/2004 of the European Parliament and of the Council of 29 April 2004 laying down specific hygiene rules for food of animal origin (OJ L 226, 25.6.2004, p. 22).
g	The maximum level refers to the dry matter. The dry matter is determined in accordance with Regulation (EC) No 401/2006.
h	[^{F7} Foodstuffs listed in this category as defined in Commission Directive 2006/141/EC (OJ L 401, 30.12.2006, p. 1).]
i	Foodstuffs listed in this category as defined in Commission Directive 1999/21/EC of 25 March 1999 on dietary foods for special medical purposes (OJ L 91, 7.4.1999, p. 29).
j	The maximum level refers in the case of milk and milk products, to the products ready for use (marketed as such or reconstituted as instructed by the manufacturer) and in the case of products other than milk and milk products, to the dry matter. The dry matter is determined in accordance with Regulation (EC) No 401/2006.
k	Foodstuffs listed in this category as defined in Council Regulation (EC) No 1493/1999 of 17 May 1999 on the common organisation of the market in wine (OJ L 179, 14.7.1999, p. 1) as last amended by the Protocol concerning the conditions and arrangements for admission of the Republic of Bulgaria and Romania to the European Union (OJ L 157, 21.6.2005, p. 29).
l	The maximum level applies to products produced from the 2005 harvest onwards.
m	Foodstuffs listed in this category as defined in Council Regulation (EEC) No 1601/91 of 10 June 1991 laying down general rules on the definition, description and presentation of aromatised wines, aromatised wine-based drinks and aromatised wine-product cocktails (OJ L 149, 14.6.1991, p. 1) as last amended by the Protocol concerning the conditions and arrangements for admission of the Republic of Bulgaria and Romania to the European Union. The maximum level for OTA applicable to these beverages is function of the proportion of wine and/or grape must present in the finished product.
n	Foodstuffs listed in this category as defined in Council Directive 2001/112/EC of 20 December 2001 relating to fruit juices and certain similar products intended for human consumption (OJ L 10, 12.1.2002, p. 58).
o	Foodstuffs listed in this category as defined in Council Regulation (EEC) No 1576/89 of 29 May 1989 laying down general rules on the definition, description and presentation of spirit drinks (OJ L 160, 12.6.1989, p. 1), as last amended by the Protocol concerning the conditions and arrangements for admission of the Republic of Bulgaria and Romania to the European Union.
p	[^{F5} Infants and young children as defined in Directive 2006/141/EC (OJ L 401, 30.12.2006, p. 1) and Directive 2006/125/EC.]
q	For the purpose of the application of maximum levels for deoxynivalenol, zearalenone, T-2 and HT-2 toxin established in points 2.4, 2.5 and 2.7 rice is not included in 'cereals' and rice products are not included in 'cereal products'.
r	The maximum level applies to unprocessed cereals placed on the market for first-stage processing. 'First-stage processing' shall mean any physical or thermal treatment, other than drying, of or on the grain. Cleaning, sorting and drying procedures are not considered to be 'first-stage processing' insofar no physical action is exerted on the grain kernel itself and the whole grain remains intact after cleaning and sorting. In integrated production and processing systems, the maximum level applies to the unprocessed cereals in case they are intended for first-stage processing.
s	The maximum level applies to cereals harvested and taken over, as from the 2005/06 marketing year, in accordance with Commission Regulation (EC) No 824/2000 of 19 April 2000 establishing procedures for the taking-over of cereals by intervention agencies and laying down methods of analysis for determining the quality of cereals (OJ L 100, 20.4.2000, p. 31), as last amended by Regulation (EC) No 1068/2005 (OJ L 174, 7.7.2005, p. 65).
t	[^{F4} Maximum level shall apply from 1 October 2007.]
u	[^{F9}]
v	Pasta (dry) means pasta with a water content of approximately 12 %.
w	Maximum level shall apply from 1 October 2007.
x	Fish listed in this category as defined in category (a), with the exclusion of fish liver falling under code CN 0302 70 00, of the list in Article 1 of Council Regulation (EC) No 104/2000 (OJ L 17, 21.1.2000, p. 22) as last amended by the Act concerning the conditions of accession of the Czech Republic, the Republic of Estonia, the Republic of Cyprus, the Republic of Latvia, the Republic of Lithuania, the Republic of Hungary, the Republic of Malta, the Republic of Poland, the Republic of Slovenia and the Slovak Republic and the adjustments to the Treaties on which the European Union is founded (OJ L 236, 23.9.2003, p. 33). In case of dried, diluted, processed and/or compound foodstuffs Article 2(1) and 2(2) apply.
y	Where fish are intended to be eaten whole, the maximum level shall apply to the whole fish.

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Foodstuffs falling within category (c) and (f) of the list in Article 1 of Regulation (EC) No 104/2000, as appropriate (species as listed in the relevant entry). In case of dried, diluted, processed and/or compound foodstuffs Article 2(1) and 2(2) apply.

- aa** The maximum level applies after washing of the fruit or vegetables and separating the edible part.
- bb** The maximum level applies to products produced from the 2001 fruit harvest onwards.
- cc** The maximum level refers to the product as sold.
- dd** 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.
- ee** Dioxins (sum of polychlorinated dibenzo-para-dioxins (PCDDs) and polychlorinated dibenzofurans (PCDFs), expressed as World Health Organisation (WHO) toxic equivalent using the WHO-toxic equivalency factors (WHO-TEFs)) and 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) expert meeting which was held in Geneva in June 2005 (Martin van den Berg et al., The 2005 World Health Organization Re-evaluation of Human and Mammalian Toxic Equivalency Factors for Dioxins and Dioxin-like Compounds. Toxicological Sciences 93(2), 223–241 (2006))

Congener	TEF value
Dibenzo-p-dioxins ('PCDDs')	
2,3,7,8-TCDD	1
1,2,3,7,8-PeCDD	1
1,2,3,4,7,8-HxCDD	0,1
1,2,3,6,7,8-HxCDD	0,1
1,2,3,7,8,9-HxCDD	0,1
1,2,3,4,6,7,8-HpCDD	0,01
OCDD	0,0003
Dibenzofurans ('PCDFs')	
2,3,7,8-TCDF	0,1
1,2,3,7,8-PeCDF	0,03
2,3,4,7,8-PeCDF	0,3
1,2,3,4,7,8-HxCDF	0,1
1,2,3,6,7,8-HxCDF	0,1
1,2,3,7,8,9-HxCDF	0,1
2,3,4,6,7,8-HxCDF	0,1
1,2,3,4,6,7,8-HpCDF	0,01
1,2,3,4,7,8,9-HpCDF	0,01
OCDF	0,0003
'Dioxin-like' PCBs Non-ortho PCBs + Mono-ortho PCBs	
Non-ortho PCBs	
PCB 77	0,0001
PCB 81	0,0003
PCB 126	0,1
PCB 169	0,03
Mono-ortho PCBs	
PCB 105	0,00003
PCB 114	0,00003

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

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PCB 118	0,00003
PCB 123	0,00003
PCB 156	0,00003
PCB 157	0,00003
PCB 167	0,00003
PCB 189	0,00003

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

- ff** 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.
- gg** [^{F8}The maximum level expressed on fat is not applicable for foods containing < 2 % fat. For foods containing less than 2 % fat, the maximum level applicable is the level on product basis corresponding to the level on product basis for the food containing 2 % fat, calculated from the maximum level established on fat basis, making use of following formula: Maximum level expressed on product basis for foods containing less than 2 % fat = maximum level expressed on fat for that food x 0,02.]
- hh** [^{F10}Foodstuffs listed in this category as defined in categories (a), (b), (c), (e) and (f) of the list in Article 1 of Regulation (EC) No 104/2000, with the exclusion of fish liver referred to in point 5.11.]
- ii** Benzo(a)pyrene, for which maximum levels are listed, is used as a marker for the occurrence and effect of carcinogenic polycyclic aromatic hydrocarbons. These measures therefore provide full harmonisation on polycyclic aromatic hydrocarbons in the listed foods across the Member States.
- jj** Foodstuffs listed in this category as defined in categories (b), (c), and (f) of the list in Article 1 of Regulation (EC) No 104/2000.
- kk** [^{F11}The exemption applies only for maize for which it is evident e.g. through labelling, destination, that it is intended for use in a wet milling process only (starch production).]
- ll** [^{F12}In the case of canned fish liver, the maximum level applies to the whole edible content of the can.]
- mm** [^{F6}The maximum level applies to the food supplements as sold.]
- nn** [^{F13}Oilseeds falling under codes CN 1201, 1202, 1203, 1204, 1205, 1206, 1207 and derived products CN 1208; melon seeds fall under code ex 1207 99.
- oo** In case derived/processed products thereof are derived/processed solely or almost solely from the tree nuts concerned, the maximum levels as established for the corresponding tree nuts apply also to the derived/processed products. In other cases, Article 2(1) and 2(2) apply for the derived/processed products.]
- pp** [^{F14}The maximum level applies to the pure and undiluted extract, obtained whereby 1 kg of extract is obtained from 3 to 4 kg liquorice root.]
- qq** [^{F15}The maximum level for leaf vegetables does not apply to fresh herbs (falling under Code number 0256000 in Annex I to Regulation (EC) No 396/2005).
- rr** This definition excludes the cephalothorax of crustaceans.]

Textual Amendments

- F1** Substituted by [Commission Regulation \(EU\) No 1258/2011 of 2 December 2011 amending Regulation \(EC\) No 1881/2006 as regards maximum levels for nitrates in foodstuffs \(Text with EEA relevance\).](#)
- F2** Substituted by [Commission Regulation \(EU\) No 165/2010 of 26 February 2010 amending Regulation \(EC\) No 1881/2006 setting maximum levels for certain contaminants in foodstuffs as regards aflatoxins \(Text with EEA relevance\).](#)
- F3** Substituted by [Commission Regulation \(EU\) No 105/2010 of 5 February 2010 amending Regulation \(EC\) No 1881/2006 setting maximum levels for certain contaminants in foodstuffs as regards ochratoxin A \(Text with EEA relevance\).](#)

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Changes to legislation: There are currently no known outstanding effects for the Commission Regulation (EC) No 1881/2006. (See end of Document for details)

- F4** Substituted by Commission Regulation (EC) No 1126/2007 of 28 September 2007 amending Regulation (EC) No 1881/2006 setting maximum levels for certain contaminants in foodstuffs as regards Fusarium toxins in maize and maize products (Text with EEA relevance).
- F5** Substituted by Commission Regulation (EU) No 420/2011 of 29 April 2011 amending Regulation (EC) No 1881/2006 setting maximum levels for certain contaminants in foodstuffs (Text with EEA relevance).
- F6** Inserted by Commission Regulation (EC) No 629/2008 of 2 July 2008 amending Regulation (EC) No 1881/2006 setting maximum levels for certain contaminants in foodstuffs (Text with EEA relevance).
- F7** Substituted by Commission Regulation (EC) No 629/2008 of 2 July 2008 amending Regulation (EC) No 1881/2006 setting maximum levels for certain contaminants in foodstuffs (Text with EEA relevance).
- F8** Substituted by Commission Regulation (EU) No 1259/2011 of 2 December 2011 amending Regulation (EC) No 1881/2006 as regards maximum levels for dioxins, dioxin-like PCBs and non dioxin-like PCBs in foodstuffs (Text with EEA relevance).
- F9** Deleted by Commission Regulation (EC) No 1126/2007 of 28 September 2007 amending Regulation (EC) No 1881/2006 setting maximum levels for certain contaminants in foodstuffs as regards Fusarium toxins in maize and maize products (Text with EEA relevance).
- F10** Substituted by Commission Regulation (EC) No 565/2008 of 18 June 2008 amending Regulation (EC) No 1881/2006 setting maximum levels for certain contaminants in foodstuffs as regards the establishment of a maximum level for dioxins and PCBs in fish liver (Text with EEA relevance).
- F11** Inserted by Commission Regulation (EC) No 1126/2007 of 28 September 2007 amending Regulation (EC) No 1881/2006 setting maximum levels for certain contaminants in foodstuffs as regards Fusarium toxins in maize and maize products (Text with EEA relevance).
- F12** Inserted by Commission Regulation (EC) No 565/2008 of 18 June 2008 amending Regulation (EC) No 1881/2006 setting maximum levels for certain contaminants in foodstuffs as regards the establishment of a maximum level for dioxins and PCBs in fish liver (Text with EEA relevance).
- F13** Inserted by Commission Regulation (EU) No 165/2010 of 26 February 2010 amending Regulation (EC) No 1881/2006 setting maximum levels for certain contaminants in foodstuffs as regards aflatoxins (Text with EEA relevance).
- F14** Inserted by Commission Regulation (EU) No 105/2010 of 5 February 2010 amending Regulation (EC) No 1881/2006 setting maximum levels for certain contaminants in foodstuffs as regards ochratoxin A (Text with EEA relevance).
- F15** Inserted by Commission Regulation (EU) No 420/2011 of 29 April 2011 amending Regulation (EC) No 1881/2006 setting maximum levels for certain contaminants in foodstuffs (Text with EEA relevance).

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