

SCHEDULE 5

Regulation 14

PRESCRIBED LIMITS FOR UNDESIRABLE SUBSTANCES

<i>Column 1</i> <i>Undesirable substances</i>	<i>Column 2</i> <i>Products intended for animal feed</i>	<i>Column 3</i> <i>Maximum content in mg/kg of feeding stuffs referred to a moisture content of 12%</i>
CHAPTER A		
Arsenic	Feed materials except:	2
	— meal made from grass, from dried lucerne and from dried clover and dried sugar beet pulp and dried molasses sugar beet pulp	4
	— palm kernel expeller	4 (of which the content of inorganic arsenic must be less than 2)
	— phosphates and calcareous marine algae	10
	— calcium carbonate	15
	— magnesium oxide	20
	— feeding stuffs obtained from the processing of fish or other marine animals	15 (of which the content of inorganic arsenic must be less than 2)
	— seaweed meal and feed materials derived from seaweed	40 (of which the content of inorganic arsenic must be less than 2)
	Complete feeding stuffs except:	2
	— complete feeding stuffs for fish and fur-producing animals	6 (of which the content of inorganic arsenic must be less than 2)
Cadmium	Complementary feeding stuffs except:	4
	— mineral feeding stuffs	12
	Feed materials of vegetable origin	1
	Feed materials of animal origin (with the exception of feeding stuffs for pets)	2

Note in respect of all entries in column 3

The maximum levels refer to total arsenic

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	Phosphates	10
	Complete feeding stuffs for cattle, sheep and goats (with the exception of complete feeding stuffs for calves, lambs and kids)	1
	Other complete feeding stuffs (with the exception of feeding stuffs for pets)	0.5
	Mineral feeding stuffs	5
	Other complementary feeding stuffs for cattle, sheep and goats	0.5
Dioxin (sum of polychlorinated dibenzo-para-dioxins (PCDDs) and polychlorinated dibenzo-furans (PCDFs) expressed in World Health Organisation (WHO) toxic equivalents, using the WHO-TEFs (toxic equivalency factors, 1997))	All feed materials of plant origin including vegetable oils and by-products	0.75 ng WHO-PCDD/F-TEQ/kg
	Minerals as listed in Section 11 of Part II of Schedule 2	1.0 ng WHO-PCDD/F-TEQ/kg
	Kaolinitic clay, calcium sulphate dihydrate, vermiculite, natrolite-phonolite, synthetic calcium aluminates and clinoptilolite of sedimentary origin belonging to the group “binders, anti-caking agents and coagulants” authorised under the Additives Directive or the Additives Regulation	0.75 ng WHO-PCDD/F-TEQ/kg
	Animal fat, including milk fat and egg fat	2.0 ng WHO-PCDD/F-TEQ/kg
	Other land animal products including milk and milk products and eggs and egg products	0.75 ng WHO-PCDD/F-TEQ/kg
	Fish oil	6 ng WHO-PCDD/F-TEQ/kg

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	Fish, other aquatic animals, their products and by-products with the exception of fish oil and fish protein hydrolysates containing more than 20% fat	1.25 ng WHO-PCDD/F-TEQ/kg
	Compound feeding stuffs, with the exception of feeding stuffs for fur animals, pet foods and feeding stuffs for fish	0.75 ng WHO-PCDD/F-TEQ/kg
	Feeding stuffs for fish and pet foods	2.25 ng WHO-PCDD/F-TEQ/kg
	Fish protein hydrolysates containing more than 20% fat	2.25 ng WHO-PCDD/F-TEQ/kg
	Note in respect of the entry in Column 2 relating to fish, other aquatic animals, their products and by-products with the exception of fish oil and fish protein hydrolysates containing more than 20% fat	Note in respect of all the entries in Column 3
	Fresh fish directly delivered and used without intermediate processing for the production of feeding stuffs for fur animals is exempted from the maximum limit and a maximum level of 4.0 ng WHO-PCDD/F-TEQ/kg product is applicable to fresh fish used for the direct feeding of pet animals, zoo and circus animals. The products, processed animal proteins produced from these animals (fur animals, pet animals, zoo and circus animals) cannot enter the food chain and the feeding thereof is prohibited to farmed animals which are kept, fattened or bred for the production of food.	Upper-bound concentrations; upper-bound concentrations are calculated assuming that all values of the different congeners less than the limit of quantification are equal to the limit of quantification
Fluorine	Feed materials except:	150

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	— feeding stuffs of animal origin with the exception of marine crustaceans such as marine krill	500
	— phosphates and marine crustaceans such as marine krill	2000
	— calcium carbonate	350
	— magnesium oxide	600
	— calcareous marine algae	1000
	Complete feeding stuffs except:	150
	— complete feeding stuffs for cattle, heep and goats	
	— in milk	30
	— other	50
	— complete feeding stuffs for pigs	100
	— complete feeding stuffs for poultry	350
	— complete feeding stuffs for chicks	250
	Mineral mixtures for cattle, sheep and goats	2000
	Other complementary feeding stuffs	125 (fluorine content per percentage point phosphorus in the feeding stuff)
Lead	Feed materials except:	10
	— grass meal, lucerne meal or clover meal	40
	— calcium carbonate	0
	— phosphates and calcareous marine algae	15
	— yeast	5
	Complete feeding stuffs	5
	Complementary feeding stuffs except:	10
	— mineral feeding stuffs	15

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Mercury	Feed materials except:	0.1
	— feed materials produced by the processing of fish or other marine animals	0.5
	Complete feeding stuffsexcept:	0.1
	— complete feeding stuffs for dogs or cats	0.4
	Complementary feeding stuffs (with the exception of complementary feeding stuffs for dogs and cats)	0.2
Nitrates	Fish meal	60 (expressed as sodium nitrite)
	Complete feeding stuffs except feeding stuffs intended for pets other than birds and aquarium fish	15 (expressed as sodium nitrite)
CHAPTER B		
Aflatoxin B1	All feed materials	0.02
	Complete feeding stuffs for cattle, sheep and goats except:	0.02
	— dairy animals	0.005
	— calves and lambs	0.01
	Complete feeding stuffs for pigs and poultry (except piglets and chicks)	0.02
	Other complete feeding stuffs	0.01
	Complementary feeding stuffs for cattle, sheep and goats (except complementary feeding stuffs for dairy animals, calves and lambs)	0.02
	Complementary feeding stuffs for pigs and poultry (except piglets and chicks)	0.02
	Other complementary feeding stuffs	0.005
	Castor oil plant <i>Ricinus communis</i> L.	All feeding stuffs
<i>Crotalaria</i> spp.	All feeding stuffs	100

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Free Gossypol	Feed materials except:	20
	— cotton-seed	5000
	— cotton-seed cakes	1200
	Complete feeding stuffs except:	20
	— complete feeding stuffs for cattle, sheep and goats	500
	— complete feeding stuffs for poultry (except laying hens) and calves	100
	— complete feeding stuffs for rabbits and pigs (except piglets)	60
Hydrocyanic acid	Feed materials except:	50
	— linseed	250
	— linseed cakes	350
	— manioc products and almond cakes	100
	Complete feeding stuffs except:	50
	— complete feeding stuffs for chicks	10
Rye Ergot <i>Claviceps purpurea</i>	All feeding stuffs containing unground cereals	1000
CHAPTER C		
Apricots— <i>Prunus armeniaca</i> L.	} {	
Bitter almond— <i>Prunus dulcis</i> (Mill.) D.A. Webb var. <i>amara</i> (DC.) Focke (= <i>Prunus amygdalus</i> Batsch var. <i>amara</i> (DC.) Focke)	} {	
Unhusked beech mast — <i>Fagus silvatica</i> (L.) Camelina- <i>Camelina sativa</i> (L.) Cranz	} {	
Mowrah, bassia, madhuca — <i>Madhuca longifolia</i> (L.) Macbr. (= <i>Bassia longifolia</i> L = <i>Illipe malabrorum</i> Engl.)	} All feeding stuffs {	Seeds and fruits of the plant species listed opposite as well as their processed derivatives may only be present in feeding

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<i>Madhuca indica</i> Gmelin. (= <i>Bassia latifolia</i> (Rosch.) F. Mueller)		stuffs in trace amounts not quantitatively determinable
Purghera— <i>Jatropha curcas</i> L.	} {	
Croton— <i>Croton tiglium</i> L. Indian mustard— <i>Brassica juncea</i> (L.) Czern. and Coss. ssp. <i>integrifolia</i> (West.) Thell	} {	
Sareptian mustard— <i>Brassica juncea</i> (L.) Czern. and Coss. ssp. <i>juncea</i> Chinese mustard— <i>Brassica juncea</i> (L.) Czern. and Coss. ssp. <i>juncea</i> var. <i>lutea</i> Batalin	} {	
Black mustard— <i>Brassica nigra</i> (L.) Koch	} {	
Ethiopian mustard— <i>Brassica carinata</i> A Braun	} {	
Theobromine	Complete feeding stuffs except:	300
	— complete feeding stuffs for adult cattle	700
Vinylthiooxazolidone (<i>Vinyloxyzolidine thione</i>)	Complete feeding stuffs for poultry except:	1000
	— complete feeding stuffs for laying hens	500
Volatile mustard oil	Feed materials except:	100
	— rape-seed cakes	4000 (expressed as allyl isothiocyanate)
	Complete feeding stuffs except:	150 (expressed as allyl isothiocyanate)
	— complete feeding stuffs for cattle, sheep and goats (except calves, lambs and kids)	1000 (expressed as allyl isothiocyanate)
	— complete feeding stuffs for pigs (except piglets) and poultry	500 (expressed as allyl isothiocyanate)
Weed seeds and unground and uncrushed fruit containing alkaloids, glucosides or other	All feeding stuffs	3000

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toxic substances separately or in combination including:		
(a) (a) <i>Lolium temulentum</i> L.		1000
(b) (b) <i>Lolium remotum</i> Schrank		1000
(c) (c) <i>Datura stramonium</i> L.		1000
CHAPTER D		
Aldrin } singly, or combined	All feeding stuffs except fats	0.01
		0.2
Dieldrin } expressed as dieldrin		
Camphechlor (Toxaphene)	All feeding stuffs	0.1
Chlordane (sum of cis- and trans-isomers and of oxychlordane, expressed as Chlordane)	All feeding stuffs except fats	0.02 0.05
DDT (sum of DDT, TDE and DDE isomers, expressed as DDT)	All feeding stuffs except fats	0.05 0.5
Endosulphan (sum of alpha- and beta-isomers and of endosulphan sulphate, expressed as endosulphan)	All feeding stuffs except—	0.1
	maize and the products derived from the processing thereof	0.2
	— oilseeds and the products derived from the processing thereof	0.5
	— complete feeding stuffs for fish	0.005
Endrin (sum of endrin and delta-keto- endrin, expressed as endrin)	All feeding stuffs except fats	0.01 0.05
Heptachlor (sum of heptachlor and of heptachlor-epoxide, expressed as heptachlor)	All feeding stuffs except fats	0.01 0.2
Hexachlorobenzene (HCB)	All feeding stuffs	0.01

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	except fats	0.2
Hexachlorocyclohexane (HCH)		
— alpha-isomers	All feed stuffse except fats	0.02 0.2
— beta-isomers	Feed materials except fats	0.01 0.1
	Compound feeding stuffs	0.01
dairy cattle	except compound feeding stuffs for	0.005
— gamma-isomers	All feeding stuffs except fats	0.2 2.0