



Animal Products Notice

Maximum Permissible Levels

29 October 2024

TITLE

Animal Products Notice: Maximum Permissible Levels

COMMENCEMENT

This Animal Products Notice comes into force on 31 October 2024.

REVOCATION

This Animal Products Notice revokes and replaces the Animal Products Notice: Maximum Permissible Levels issued on 30 January 2023.

ISSUING AUTHORITY

This Animal Products Notice is issued under section 167(2) of the Animal Products Act 1999 to supplement the Animal Products Regulations 2021.

Dated at Wellington, 29 October 2024.

[signed]

Stephen Collier
Director Assurance (Acting)
Ministry for Primary Industries
(acting under delegated authority of the Director-General)

Contact for further information
Ministry for Primary Industries (MPI)
New Zealand Food Safety
Assurance Directorate
PO Box 2526
Wellington 6140
Email: residues@mpi.govt.nz

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Introduction

This introduction is not part of the Animal Products Notice, but is intended to indicate its general effect.

Purpose

This Notice supplements the requirements of the Animal Product Regulations 2021 and sets maximum permissible levels for agricultural compounds, veterinary medicines, or other substances that adversely affect the suitability of animal material, other than dairy material, for processing intended for human consumption.

Background

The Animal Products Act 1999 establishes a regime for ensuring that animal products are fit for their intended purpose. The Animal Products Regulations 2021 set out the details of that regime. This Notice sets additional requirements necessary to ensure that animal material and animal products processed in New Zealand are fit for intended purpose.

The Animal Product Notice: Production, Supply and Processing, clause E1.1(2), requires that in case of a conflict between a maximum residue level set in the Food Notice: Maximum Residue Levels for Agricultural Compounds and a maximum permissible level set in this Notice, the maximum residue level prevails. Consequently, this Notice should be read in conjunction with the Food Notice: Maximum Residue Levels for Agricultural Compounds.

Who should read this Animal Products Notice?

You should read this Notice if you are supplying animal material and animal product intended for human consumption, other than dairy material or dairy product.

Why is this important?

Animal material and animal products failing to comply with the maximum permissible levels for agricultural compounds and contaminants specified in this Notice must not be supplied for processing for human consumption.

Document History

No.	Version Date	Section Changed	Change(s) Description
1.0	27 June 2022		New document.
2.0	30 January 2023	Schedule 1	Multiple revisions.
3.0	30 September 2024	Schedule 1	Multiple revisions.
		Schedule 2	

Part 1: Requirements

1.1 Application

- (1) This Notice applies to animal material and animal product intended for human consumption, other than dairy material or dairy product.

1.2 Definitions

- (1) In this Notice, unless the context requires otherwise:

active ingredient has the meaning given in section 3 of the Agricultural Compounds and Veterinary Medicines (Exemptions and Prohibited Substances) Regulations 2011;

agricultural compound has the meaning given in section 2 of the Agricultural Compounds and Veterinary Medicines Act 1997;

egg means the fresh edible portion of a bird egg including the egg yolk and egg white, but does not include the shell;

fat means that derived from fatty tissues and does not include processed fat;

meat means the muscular tissues, including adhering fatty tissues (such as intramuscular and subcutaneous fat) of any animal and:

- a) may include bones, connective tissues, tendons, nerves, and lymph nodes, but
- b) does not include offal;

offal means the edible tissues and organs, other than meat and fat, of any red meat animals, poultry, or fish, and includes the brain, thymus gland, pancreas gland, liver, spleen, kidney, heart, lung, stomach;

trade name product has the meaning given in section 2 of the Agricultural Compounds and Veterinary Medicines Act 1997.

- (2) Any term defined in the Animal Products Act 1999, Animal Products Regulations 2021, or Animal Product Notice: Production, Supply and Processing and used in this Notice but not defined has the meaning given in the Animal Products Act 1999, Animal Products Regulations 2021, or Animal Product Notice: Production, Supply and Processing respectively.

Part 2: Maximum Permissible Levels

2.1 Conflict with regulated control scheme or export requirement

- (1) Where a maximum permissible level is set for a specific agricultural compound or contaminant in relation to an animal material or animal product in a regulated control scheme or an export requirement, then the maximum permissible level in that scheme or export requirement overrides any maximum permissible level set in this notice.

2.2 Maximum permissible levels

- (1) The maximum permissible level of the agricultural compound or contaminant set in column 1 of schedule 1, as measured by the substance or group of substances in column 2 of schedule 1, in relation to the animal material or animal product set in column 3 of schedule 1 is set in column 4 of schedule 1.
- (2) Where no maximum permissible level is set under subclause (1) the following maximum permissible levels apply in relation to animal material or animal product for an active ingredient in agricultural compound that:
 - a) is a registered trade name product – 0.01 mg/kg;
 - b) is not a registered trade name product – 0.001 mg/kg.
- (3) No maximum permissible levels set in subclause (1) or (2) apply to any animal material or animal product in relation to:
 - a) an agricultural compound listed in column 1 of schedule 2, if the substance is:
 - i) used as described in column 2 of schedule 2; and
 - ii) used according to the conditions of registration of the trade named product containing that substance under the Agricultural Compounds and Veterinary Medicines Act 1997;
 - b) an agricultural compound that is a substance generally recognised as safe under section 8B of the Agricultural Compounds and Veterinary Medicines Act 1997, when used in accordance with any applicable conditions for their sale or use.
- (4) No maximum permissible levels set in subclause (1) or (2) apply to the following:
 - a) kidney and liver of fish if these are not part of the edible portion:
 - b) kidney of poultry:
 - c) kidney of wild game.

2.3 Laboratory sample to represent the commodity sampled

- (1) If a sample of tissue, blood, retina, excretory product, or other animal material taken from animal material or animal product contains an agricultural compound or contaminant at a level above the applicable maximum permissible level, that level is deemed to be representative of the level present in the animal material or animal product from which the sample was taken.

Schedule 1: Specified maximum permissible levels

Column 1	Column 2	Column 3	Column 4
<i>Compound or contaminant common name</i>	<i>Substances or group of substances to which the maximum permissible level applies</i>	<i>Animal material or animal product</i>	<i>Maximum permissible level, (measured in mg/kg, unless otherwise stated)</i>
Acepromazine	Acepromazine	Mammalian animal material or animal product	0.005
		Any other animal material or animal product	0.001
Albendazole	Sum of: Albendazole, albendazole sulphoxide, albendazole sulphone, and albendazole sulphone amine Expressed as: Albendazole sulphone amine	Ruminant animal material or animal product	0.1
Aldrin and dieldrin	Sum of: HHDN and HEOD (MRLs cover dieldrin and aldrin singly or in combination)	Any animal meat	0.1
		Any animal offal	0.1
Amprolium	Amprolium	Poultry animal material or animal product	0.1
Apramycin	Apramycin	Pig animal material or animal product	0.1
Arsenic	Inorganic arsenic	Eggs	0.1
		Fish (except shellfish) muscle meat	2
		Mammalian fat	0.1
		Mammalian meat	0.5
		Mammalian offal	0.5
		Poultry fat	0.1
		Poultry meat	0.5
		Poultry offal	0.5
		Shellfish muscle meat	1

NOTE: (*) indicates that the maximum permissible level has been set at or about the limit of analytical quantification

Column 1	Column 2	Column 3	Column 4
Compound or contaminant common name	Substances or group of substances to which the maximum permissible level applies	Animal material or animal product	Maximum permissible level, (measured in mg/kg, unless otherwise stated)
Avilamycin	Avilamycin	Pig animal material or animal product	0.1
		Poultry animal material or animal product	0.1
Azaperone	Sum of: Azaperone and azaperol	Deer animal material or animal product	0.05
		Horse animal material or animal product	0.05
		Any other animal material or animal product	0.005
Bacitracin	Sum of: Bacitracin A, B, and C	Horse animal material or animal product	0.1
		Pig animal material or animal product	0.1
		Poultry animal material or animal product	0.1
Bambermycin	Flavophospholipol A	Poultry animal material or animal product	0.1
Benzestrol	Sum of: Benzestrol and benzestrol glucuronide Expressed as: Benzestrol	Any animal material or animal product	0.0001
Betamethasone	Sum of: Betamethasone and betamethasone glucuronide Expressed as: Betamethasone	Any animal material or animal product	0.0001
Boldenone	Sum of: 17 β -Boldenone and ester forms, glucuronide, and sulphate conjugates of boldenone Expressed as: Boldenone	Any animal material or animal product	0.0001
Brilliant green	Sum of: Brilliant green and leucobrilliant green	Fish muscle meat	0.0005
		Shellfish muscle meat	0.0005
Brombuterol	Sum of: Brombuterol and brombuterol glucuronide Expressed as: Brombuterol	Any animal material or animal product	0.0001
Bromhexine	Bromhexine	Horse animal material or animal product	0.1

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Compound or contaminant common name	Substances or group of substances to which the maximum permissible level applies	Animal material or animal product	Maximum permissible level, (measured in mg/kg, unless otherwise stated)
Bromoclenbuterol	Sum of: Bromoclenbuterol and bromoclenbuterol glucuronide Expressed as: Bromoclenbuterol	Any animal material or animal product	0.0001
Bupivacaine	Bupivacaine	Cattle animal material and animal product	0.1
		Sheep animal material and animal product	0.1
Cadmium	Sum of: Inorganic and organic cadmium Expressed as: Cadmium	Cattle kidney	2.5
		Cattle liver	1.25
		Cattle meat	0.05
		Cephalopods (without viscera)	2
		Crustaceans muscle meat from appendages and abdomen. In case of crabs and crab-like crustaceans (Brachyura and Anomura) muscle meat from appendages	0.5
		Deer kidney	2.5
		Deer liver	1.25
		Deer meat	0.05
		Eggs	0.1
		Goat kidney	2.5
		Goat liver	1.25
		Goat meat	0.05

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<i>Compound or contaminant common name</i>	<i>Substances or group of substances to which the maximum permissible level applies</i>	<i>Animal material or animal product</i>	<i>Maximum permissible level, (measured in mg/kg, unless otherwise stated)</i>
		Horse kidney	1
		Horse liver	0.5
		Horse meat	0.2
		Molluscs (except dredge/Bluff oysters and Queen Scallops)	2
		Pig kidney	2.5
		Pig liver	1.25
		Pig meat	0.05
		Poultry liver	0.1
		Poultry meat	0.1
		Ratite liver	0.1
		Ratite meat	0.1
		Sheep kidney	2.5
		Sheep liver	1.25
		Sheep meat	0.05
Carazolol	Carazolol	Any animal material or animal product	0.005
Carbuterol	Sum of: Carbuterol and carbuterol glucuronide Expressed as: Carbuterol	Any animal material or animal product	0.0001
Cefuroxime	Cefuroxime	Cattle animal material or animal product	0.02
Cephalexin	Cephalexin	Cattle animal material or animal product	0.06

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Column 1	Column 2	Column 3	Column 4
Compound or contaminant common name	Substances or group of substances to which the maximum permissible level applies	Animal material or animal product	Maximum permissible level, (measured in mg/kg, unless otherwise stated)
		Pig animal material or animal product	0.1
Chloramphenicol	<i>Sum of: Chloramphenicol and chloramphenicol glucuronide Expressed as: Chloramphenicol</i>	Any animal material or animal product	0.00015
Chlormadinone	Chlormadinone	Any animal material or animal product	0.0001
Chlorpromazine	Chlorpromazine	Any animal material or animal product	0.0001
Cimaterol	<i>Sum of: Cimaterol and cimaterol glucuronide Expressed as: Cimaterol</i>	Any animal material or animal product	0.0001
Cimbuterol	<i>Sum of: Cimbuterol and cimbuterol glucuronide Expressed as: Cimbuterol</i>	Any animal material or animal product	0.0001
Clavulanic acid	Clavulanic acid	Cattle meat	0.05
		Any other cattle animal material or animal product	0.1
Clenbuterol	<i>Sum of: Clenbuterol and clenbuterol glucuronide Expressed as: Clenbuterol</i>	Any animal material or animal product	0.0001
Clencyclohexerol	<i>Sum of: Clencyclohexerol and clencyclohexerol glucuronide Expressed as: Clencyclohexerol</i>	Any animal material or animal product	0.0001
Clenpenterol	<i>Sum of: Clenpenterol and clenpenterol glucuronide Expressed as: Clenpenterol</i>	Any animal material or animal product	0.0001
Clenproperol	<i>Sum of: Clenproperol and clenproperol glucuronide Expressed as: Clenproperol</i>	Any animal material or animal product	0.0001

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Column 1	Column 2	Column 3	Column 4
Compound or contaminant common name	Substances or group of substances to which the maximum permissible level applies	Animal material or animal product	Maximum permissible level, (measured in mg/kg, unless otherwise stated)
Clethodim	Sum of: Clethodim and its metabolites containing 5-(2-ethylthiopropyl)cyclohexene-3-one and 5-(2-ethylthiopropyl)-5-hydroxycyclohexene-3-one moieties and their sulfoxides and sulphones Expressed as: Clethodim	Mammalian fat	0.1
		Poultry animal material or animal product	0.1
Clorsulon	Clorsulon	Cattle animal material or animal product	0.02
Clostebol	Sum of: 4-Chloro-17 α -hydroxyandrost-4-en-3-one, 4-chloroandrost-4-ene-3,17-dione, and ester forms, glucuronide, and sulphate conjugates of clostebol Expressed as: Clostebol	Any animal material or animal product	0.0001
Colchicine	Colchicine	Any animal material or animal product	0.0001
Coumaphos	Sum of: Coumaphos and its oxygen analogue Expressed as: Coumaphos	Mammalian animal material or animal product	0.1
Crystal violet	Sum of: Crystal violet and leucocrystal violet	Fish muscle meat	0.0005
		Shellfish muscle meat	0.0005
Cypermethrin	Cypermethrin, sum of isomers	Mammalian fat	0.1
		Mammalian meat	0.02
		Mammalian offal	0.02
		Poultry animal material or animal product	0.1
Dapsone	Sum of: Dapsone and monoacetyldapsone Expressed as: Dapsone	Any animal material or animal product	0.0001
DDT	Sum of: <i>p,p'</i> -DDT, <i>o,p'</i> -DDT, <i>p,p'</i> -DDE, and <i>p,p'</i> -TDE (DDD)	Any animal meat	0.1

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Compound or contaminant common name	Substances or group of substances to which the maximum permissible level applies	Animal material or animal product	Maximum permissible level, (measured in mg/kg, unless otherwise stated)
		Any animal offal	0.1
Decoquate	Decoquate	Mammalian animal material or animal product	0.1
Deltamethrin	Sum of: Deltamethrin, α -R-deltamethrin, and trans-deltamethrin Expressed as: Deltamethrin	Mammalian fat	0.1
		Mammalian meat	0.03
		Mammalian offal	0.05
Detomidine	Detomidine	Cattle animal material or animal product	0.1
		Horse animal material or animal product	0.1
Dexamethasone	Sum of: Dexamethasone and dexamethasone glucuronide Expressed as: Dexamethasone	Any animal material or animal product	0.0001
Diazepam	Diazepam	Horse animal material or animal product	0.1
Diazinon	Diazinon	Mammalian fat	0.1
		Mammalian meat	0.02
		Mammalian offal	0.02
<i>para</i> -Dichlorobenzene	<i>para</i> -Dichlorobenzene	Honey	0.001
Dienestrol	Sum of: Dienestrol and dienestrol glucuronide Expressed as: Dienestrol	Any animal material or animal product	0.0001
Diethylstilbestrol	Sum of: Diethylstilbestrol and diethylstilbestrol glucuronide Expressed as: Diethylstilbestrol	Any animal material or animal product	0.0001
Diflubenzuron	Diflubenzuron	Sheep animal material or animal product	0.1

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Compound or contaminant common name	Substances or group of substances to which the maximum permissible level applies	Animal material or animal product	Maximum permissible level, (measured in mg/kg, unless otherwise stated)
Dimetridazole	Sum of: Dimetridazole and 2-hydroxymethyl-1-methyl-5-nitroimidazole	Any animal material or animal product	0.0001
Dioxins and polychlorinated biphenyls (PCBs)	Sum (upper bound) of dioxins (WHO-PCDD/F-TEQ) ¹	Cattle meat	2.5 pg/g fat
		Fish muscle meat	3.5 pg/g wet weight
		Poultry meat	1.75 pg/g fat
		Sheep meat	2.5 pg/g fat
		Cattle meat	4.0 pg/g fat

¹ Dioxins and PCBs: Dioxins (sum of polychlorinated dibenzo-*para*-dioxins (PCDDs) and polychlorinated dibenzofurans (PDCFs) expressed in World Health Organisation (WHO) toxic equivalents using the WHO toxic equivalency factors (WHO-TEFs)). Sum of dioxins and dioxin-like PCBs (sum of PCDDs, PCDFs and polychlorinated biphenyls (PCBs), expressed as WHO toxic equivalent using the WHO-TEFs)).

PCDDs: 2,3,7,8-TCDD, 1,2,3,7,8-PeCDD, 1,2,3,4,7,8-HxCDD, 1,2,3,6,7,8-HxCDD, 1,2,3,7,8,9-HxCDD, 1,2,3,4,6,7,8-HpCDD, OCDD.

PCDFs: 2,3,7,8-TCDF, 1,2,3,7,8-PeCDF, 2,3,4,7,8-PeCDF, 1,2,3,4,7,8-HxCDF, 1,2,3,6,7,8-HxCDF, 1,2,3,7,8,9-HxCDF, 2,3,4,6,7,8-HxCDF, 1,2,3,4,6,7,8-HpCDF, 1,2,3,4,7,8,9-HpCDF, OCDF.

'Dioxin-like' PCBs: Non-*ortho* PCBs and mono-*ortho* PCBs.

Non-*ortho* PCBs: PCB 77, PCB 81, PCB 126, PCB 169.

Mono-*ortho* PCBs: PCB 105, PCB 114, PCB 118, PCB 123, PCB 156, PCB 157, PCB 167, PCB 189.

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

DeVito, M., *et al.* The 2022 world health organization reevaluation of human and mammalian toxic equivalency factors for polychlorinated dioxins, dibenzofurans and biphenyls. *Regulatory Toxicology and Pharmacology*, Volume 146, 2024, 105525, ISSN 0273-2300, <https://doi.org/10.1016/j.yrtph.2023.105525>.

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Compound or contaminant common name	Substances or group of substances to which the maximum permissible level applies	Animal material or animal product	Maximum permissible level, (measured in mg/kg, unless otherwise stated)
	Sum (upper bound) of dioxins and dioxin-like PCBs (WHO-PCDD/F-PCB-TEQ) ¹	Fish muscle meat	6.5 pg/g wet weight
		Poultry meat	3.0 pg/g fat
		Sheep meat	4.0 pg/g fat
	Sum (upper bound) of PCB28, PCB52, PCB101, PCB138, PCB153, and PCB180 ¹	Cattle meat	40 ng/g fat
		Fish muscle meat	75 ng/g wet weight
		Poultry meat	40 ng/g fat
		Sheep meat	40 ng/g fat
Dipyrone	Dipyrone	Cattle animal material or animal product	0.1
		Horse animal material or animal product	0.1
		Pig animal material or animal product	0.1
Domperidone	Domperidone	Horse meat	0.001
Enrofloxacin	Sum of: Enrofloxacin and ciprofloxacin	Cattle fat	0.05
		Cattle meat	0.05
		Cattle offal	0.1
		Pig animal material or animal product	0.1
Eprinomectin	Eprinomectin B1a	Deer fat	0.1
		Deer offal	0.1
		Deer meat	0.05

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Compound or contaminant common name	Substances or group of substances to which the maximum permissible level applies	Animal material or animal product	Maximum permissible level, (measured in mg/kg, unless otherwise stated)
Estradiol	Sum of: 17 β -Estradiol and ester forms, glucuronide, and sulphate conjugates of estradiol glucuronide Expressed as: Estradiol	Any animal material or animal product	0.001
Ethinylestradiol	Sum of: 17 α -Ethinylestradiol and ester forms, glucuronide, and sulphate conjugates of ethinylestradiol Expressed as: Ethinylestradiol	Any animal material or animal product	0.0001
Ethylestrenol	Sum of: Ethylestrenol, 17 α -ethyl-5 β -estrane-3 α , 17 β -diol, and ester forms, glucuronide, and sulphate conjugates of ethylestrenol Expressed as: Ethylestrenol	Any animal material or animal product	0.0001
Fenoterol	Sum of: Fenoterol and fenoterol glucuronide Expressed as: Fenoterol	Any animal material or animal product	0.0001
Fenpyroximate	Sum of: Fenpyroximate and (E)-4-[(1,3-dimethyl-5-phenoxy-pyrazol-4-yl) methyleneamino oxymethyl]benzoic acid Expressed as: Fenpyroximate.	Mammalian fat	0.1
		Mammalian kidney	0.1
		Mammalian liver	0.1
		Any other mammalian animal material or animal product	0.03
		Deer animal material or animal product	0.005
Flubendazole	Sum of: Flubendazole and (2-amino-1H-benzimidazole-5-yl)-(4-fluorophenyl) methanone)	Pig fat	0.05
		Pig meat	0.05
		Pig offal	0.1

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Compound or contaminant common name	Substances or group of substances to which the maximum permissible level applies	Animal material or animal product	Maximum permissible level, (measured in mg/kg, unless otherwise stated)
Flumetasone	<i>Sum of:</i> Flumetasone and flumetasone glucuronide <i>Expressed as:</i> Flumetasone	Any animal material or animal product	0.0001
Flumethrin	Flumethrin, sum of trans Z isomers	Deer fat	0.1
		Goat fat	0.1
Flunixin	Flunixin	Cattle fat	0.03
		Cattle kidney	0.1
		Cattle liver	0.03
		Cattle meat	0.02
		Horse fat	0.02
		Pig kidney	0.03
		Pig liver	0.1
		Pig meat	0.05
Furaltadone	<i>Sum of free and tissue bound forms of:</i> 3-Amino-5-morpholinomethyl-2-oxizolidinone	Any animal material or animal product	0.0005
Furazolidone	<i>Sum of free and tissue bound forms of:</i> 3-Amino-2-oxizolidinone	Any animal material or animal product	0.0005
Gentamicin	Gentamicin	Horse animal material or animal product	0.1
Glyphosate	<i>Sum of:</i> Glyphosate and <i>N</i> -acetylglyphosate <i>Expressed as:</i> Glyphosate	Mammalian animal material or animal product	0.05
		Any other animal material or animal product	0.1

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Compound or contaminant common name	Substances or group of substances to which the maximum permissible level applies	Animal material or animal product	Maximum permissible level, (measured in mg/kg, unless otherwise stated)
Hexestrol	<i>Sum of:</i> Hexestrol and hexestrol glucuronide <i>Expressed as:</i> Hexestrol	Any animal material or animal product	0.0001
Hydroxymethylclenbuterol	<i>Sum of:</i> Hydroxymethylclenbuterol and hydroxymethylclenbuterol glucuronide <i>Expressed as:</i> Hydroxymethylclenbuterol	Any animal material or animal product	0.0001
Iprnidazole	<i>Sum of:</i> Iprnidazole and 2-Isopropyl-(2-ol)-1-methyl-5-nitroimidazole	Any animal material or animal product	0.0001
Isoflupredone	Isoflupredone	Any animal material or animal product	0.004
Isoxsuprine	<i>Sum of:</i> Isoxsuprine and isoxsuprine glucuronide <i>Expressed as:</i> Isoxsuprine	Any animal material or animal product	0.0001
Ketamine	Ketamine	Deer animal material or animal product	0.1
		Horse animal material or animal product	0.1
Ketoprofen	Ketoprofen	Cattle animal material or animal product	0.1
		Horse animal material or animal product	0.1
Lasalocid (or its sodium salt)	Lasalocid <i>Expressed as:</i> Lasalocid free acid	Ruminant (except bobby calf) animal material or animal product	0.1
Lead	<i>Sum of:</i> Inorganic and organic lead <i>Expressed as:</i> Total lead	Cattle meat	0.1
		Cattle offal	0.5
		Fish (except shellfish) muscle meat	0.5
		Honey	0.1
		Pig meat	0.1

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		Pig offal	0.5
		Poultry liver	0.5
		Poultry meat	0.1
		Sheep meat	0.1
		Sheep offal	0.5
		Shellfish muscle meat	2
		Any other animal meat	0.1
		Any other animal offal	0.5
Lignocaine (Lidocaine)	Lignocaine	Mammalian animal material or animal product	0.1
Lincomycin	Lincomycin	Cattle animal material or animal product	0.1
		Pig animal material or animal product	0.1
		Poultry animal material or animal product	0.1
Mabuterol	<i>Sum of:</i> Mabuterol and mabuterol glucuronide <i>Expressed as:</i> Mabuterol	Any animal material or animal product	0.0001
Maduramicin	Maduramicin	Poultry animal material or animal product	0.1
Malachite green	<i>Sum of:</i> Malachite green and leucomalachite green	Fish muscle meat	0.0005
		Shellfish muscle meat	0.0005
Mapenterol	<i>Sum of:</i> Mapenterol and mapenterol glucuronide <i>Expressed as:</i> Mapenterol	Any animal material or animal product	0.0001
Medroxyprogesterone	Medroxyprogesterone	Any animal material or animal product	0.0001

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Column 1	Column 2	Column 3	Column 4
Compound or contaminant common name	Substances or group of substances to which the maximum permissible level applies	Animal material or animal product	Maximum permissible level, (measured in mg/kg, unless otherwise stated)
Megestrol	Megestrol	Any animal material or animal product	0.0001
Melengestrol	Melengestrol	Any animal material or animal product	0.0001
Meloxicam	Meloxicam	Horse animal material or animal product	0.1
Mepivacaine	Mepivacaine	Horse animal material or animal product	0.1
Mepyramine	Mepyramine	Cattle animal material or animal product	0.1
		Horse animal material or animal product	0.1
		Pig animal material or animal product	0.1
Mercury	Sum of: Inorganic and organic mercury	Fish which can be sampled in accordance with Section S19-7 of the Australia New Zealand Food Standards Code except gemfish, billfish (including marlin), southern bluefin tuna, ling, orange roughy, rays, and all species of shark	0.5
		Gemfish, billfish (including marlin), southern bluefin tuna, ling, orange roughy, rays, and all species of shark	1
		Fish for which insufficient samples are available to analyse in accordance with Section S19-7 of the Australia New Zealand Food Standards Code.	1
		Hunted animal kidney	1.5
		Hunted animal liver	0.1

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Column 1	Column 2	Column 3	Column 4
Compound or contaminant common name	Substances or group of substances to which the maximum permissible level applies	Animal material or animal product	Maximum permissible level, (measured in mg/kg, unless otherwise stated)
		Mammalian meat	0.05
		Pig kidney	1
		Pig liver	0.1
		Shellfish muscle meat (except all species of the Phylum Echinodermata and Phylum Mollusca)	0.5
		Any other animal kidney	0.05
		Any other animal liver	0.05
Mestanolone	Sum of: Mestanolone and ester forms, glucuronide, and sulphate conjugates of mestanolone Expressed as: Mestanolone	Any animal material or animal product	0.0001
Mesterolone	Sum of: Mesterolone and ester forms, glucuronide, and sulphate conjugates of mesterolone Expressed as: Mesterolone	Any animal material or animal product	0.0001
Metandienone	Sum of: Metandienone and ester forms, glucuronide, and sulphate conjugates of metandienone Expressed as: Metandienone	Any animal material or animal product	0.0001
Methandriol	Sum of: Methandriol, 17 α -methyl-5 β -androstane-3 α , 17 β -diol, and ester forms, glucuronide, and sulphate conjugates of methandriol Expressed as: Methandriol	Any animal material or animal product	0.0001
Methylboldenone	Sum of: Methylboldenone, 17 α -methyl-5 β -androstane-3 α , 17 β -diol, and ester forms, glucuronide, and sulphate	Any animal material or animal product	0.0001

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Column 1	Column 2	Column 3	Column 4
Compound or contaminant common name	Substances or group of substances to which the maximum permissible level applies	Animal material or animal product	Maximum permissible level, (measured in mg/kg, unless otherwise stated)
	conjugates of methylboldenone <i>Expressed as:</i> Methylboldenone		
Methylene blue	<i>Sum of:</i> Methylene blue and azure B <i>Expressed as:</i> Methylene blue	Fish muscle meat	0.0005
		Shellfish muscle meat	0.0005
Methylmercury	Methylmercury	Alfonsino (<i>Beryx splendens</i>)	1.5
		Marlin (<i>Makaira indica</i> , <i>Makaira mazara</i> , and <i>Tetrapturus audax</i>)	1.7
		Orange roughy (<i>Hoplostethus atlanticus</i>)	0.8
		Pink cusk-eel / ling (<i>Genypterus blacodes</i>)	1.0
		Shark (all species)	1.6
		Tuna (<i>Thunnus</i> spp., <i>Katsuwonus pelamis</i> , <i>Allothunnus fallai</i> , <i>Gasterochisma melampus</i> , and <i>Euthynnus</i> spp.)	1.2
Methyltestosterone	<i>Sum of:</i> Methyltestosterone, 17 α -methyl-5 β -androstane-3 α , 17 β -diol, and ester forms, glucuronide, and sulphate conjugates of methyltestosterone <i>Expressed as:</i> Methyltestosterone	Any animal material or animal product	0.0001
Metronidazole	<i>Sum of:</i> Metronidazole and 1-(2-hydroxyethyl)-2-hydroxymethyl-5-nitroimidazole	Any animal material or animal product	0.0001
Monensin	Monensin free acid	Poultry fat	0.05
Morantel	Morantel	Horse animal material or animal product	0.1

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Column 1	Column 2	Column 3	Column 4
Compound or contaminant common name	Substances or group of substances to which the maximum permissible level applies	Animal material or animal product	Maximum permissible level, (measured in mg/kg, unless otherwise stated)
		Pig animal material or animal product	0.1
Moxidectin	Moxidectin	Goat fat	0.1
		Goat kidney	0.05
		Goat liver	0.1
		Goat meat	0.05
		Horse animal material or animal product	0.1
Naloxone	Naloxone	Deer animal material or animal product	0.1
Nandrolone	Sum of: 17 β -Nandrolone and ester forms, glucuronide, and sulphate conjugates of nandrolone Expressed as: Nandrolone	Any animal material or animal product	0.0001
Nifursol	Sum of free and tissue bound forms of: 3,5-dinitrosalicylic acid hydrazide	Any animal material or animal product	0.0005
Nitrofural (Nitrofurazone)	Sum of the free and tissue bound forms of: Semicarbazide	Any animal material or animal product	0.0005
Nitrofurantoin	Sum of free and tissue bound forms of: 1-Aminohydantoin	Any animal material or animal product	0.0005
Nitrovin	Sum of free and tissue bound forms of: aminoguanidine	Any animal material or animal product	0.0005
Norethandrolone	Sum of: Norethandrolone, 17 α -ethyl-5 β -estrane-3 α , 17 β -diol, and ester forms, glucuronide, and sulphate conjugates of norethandrolone Expressed as: Norethandrolone	Any animal material or animal product	0.0001
Olaquinox	3-methylquinoxaline-2-carboxylic acid	Any animal material or animal product	0.001
Pentobarbitone	Pentobarbitone	Any animal material or animal product	0.0001

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Column 1	Column 2	Column 3	Column 4
Compound or contaminant common name	Substances or group of substances to which the maximum permissible level applies	Animal material or animal product	Maximum permissible level, (measured in mg/kg, unless otherwise stated)
Permethrin	Permethrin, sum of isomers	Cattle fat	0.1
		Cattle meat	0.05
		Cattle offal	0.05
		Horse animal material or animal product	0.1
Phenylbutazone	Sum of: Phenylbutazone and oxphenbutazone Expressed as: Phenylbutazone	Any animal material or animal product	0.001
Polymyxin	Polymyxin B	Horse animal material or animal product	0.1
Praziquantel	Praziquantel	Horse animal material or animal product	0.1
		Sheep animal material or animal product	0.1
Propetamphos	Propetamphos	Cattle animal material or animal product	0.1
		Sheep animal material or animal product	0.1
Pyrantel	Pyrantel	Horse animal material or animal products	0.1
Pyrethrins	Total pyrethrins, calculated as the sum of pyrethrins I and II, cinerins I and II and jasmolins I and II, determined after calibration with the World Standard pyrethrum extract.	Cattle animal material or animal products	0.1
		Horse animal material or animal products	0.1
Ractopamine	Sum of: Ractopamine and ractopamine glucuronide Expressed as: Ractopamine	Any animal material or animal product	0.0001
Ritodrin	Sum of: Ritodrin and Ritodrin glucuronide Expressed as: Ritodrin	Any animal material or animal product	0.0001
Robenidine	Robenidine	Poultry animal material or animal product	0.1
Romifidine	Romifidine	Horse animal material or animal product	0.005

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Column 1	Column 2	Column 3	Column 4
Compound or contaminant common name	Substances or group of substances to which the maximum permissible level applies	Animal material or animal product	Maximum permissible level, (measured in mg/kg, unless otherwise stated)
Ronidazole	<i>Sum of:</i> Ronidazole and 2-hydroxymethyl-1-methyl-5-nitroimidazole	Any animal material or animal product	0.0001
Rotenone	Rotenone	Poultry animal material or animal product	0.1
Salbutamol	<i>Sum of:</i> Salbutamol and salbutamol glucuronide <i>Expressed as:</i> Salbutamol	Any animal material or animal product	0.0001
Salinomycin	Salinomycin	Pig animal material or animal product	0.1
		Poultry animal material or animal product	0.1
Salmeterol	<i>Sum of:</i> Salmeterol and salmeterol glucuronide <i>Expressed as:</i> Salmeterol	Any animal material or animal product	0.0001
Semduramicin	Semduramicin	Poultry animal material or animal product	0.1
Spectinomycin	Spectinomycin	Pig animal material or animal product	0.1
		Poultry animal material or animal product	0.1
Stanozolol	<i>Sum of:</i> Stanozolol, 3'-hydroxystanozolol, 4 β -hydroxystanozolol, 16 β -hydroxystanozolol, and ester forms, glucuronide, and sulphate conjugates of stanozolol <i>Expressed as:</i> Stanozolol	Any animal material or animal product	0.0001
Sulfonamides	Parent sulfonamide (maximum permissible levels cover sulfonamides singly or in combination)	Mammalian animal material or animal product	0.1
Tau-fluvalinate	Tau-fluvalinate	Honey	0.05
Temephos	<i>Sum of:</i> Temephos and temephos sulphoxide <i>Expressed as:</i> Temephos	Cattle animal material or animal product	0.1

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Column 1	Column 2	Column 3	Column 4
Compound or contaminant common name	Substances or group of substances to which the maximum permissible level applies	Animal material or animal product	Maximum permissible level, (measured in mg/kg, unless otherwise stated)
Terbutaline	<i>Sum of:</i> Terbutaline and terbutaline glucuronide <i>Expressed as:</i> Terbutaline	Any animal material or animal product	0.0001
Tetrachlorvinphos	Tetrachlorvinphos	Cattle animal material or animal product	0.1
Tetracyclines	Chlortetracycline, doxycycline, oxytetracycline, or tetracycline, singly or in combination	Deer animal material or animal product	0.1
		Horse animal material or animal product	0.1
Thiabendazole	Thiabendazole	Mammalian animal material or animal product	0.1
Thiouracil	Thiouracil	Any animal material or animal product	0.03
Tiamulin	Tiamulin	Pig animal material or animal product	0.1
		Poultry animal material or animal product	0.1
Tiletamine	Tiletamine	Deer animal material or animal product	0.005
		Goat animal material or animal product	0.005
		Any other animal material or animal product	0.001
Tolazoline	Tolazoline	Mammalian animal material or animal product	0.005
Tolfenamic acid	Tolfenamic acid	Cattle animal material or animal product	0.05
		Pig animal material or animal product	0.1
		Poultry animal material or animal product	0.1
Toltrazuril	<i>Sum of:</i> Toltrazuril, toltrazuril sulphoxide, and toltrazuril sulphone <i>Expressed as:</i> Toltrazuril	Goat animal material or animal product	0.1

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Column 1	Column 2	Column 3	Column 4
Compound or contaminant common name	Substances or group of substances to which the maximum permissible level applies	Animal material or animal product	Maximum permissible level, (measured in mg/kg, unless otherwise stated)
Trenbolone	<i>Sum of:</i> 17 α - and 17 β -Trenbolone, and ester forms, glucuronide, and sulphate conjugates of trenbolone <i>Expressed as:</i> Trenbolone	Any animal material or animal product	0.0001
Triflumuron	Triflumuron	Horse animal material or animal product	0.1
Trimethoprim	Trimethoprim	Mammalian animal material or animal product	0.05
Tulobuterol	<i>Sum of:</i> Tulobuterol and tulobuterol glucuronide <i>Expressed as:</i> Tulobuterol	Any animal material or animal product	0.0001
Tutin	Tutin	Honey	0.7
Virginiamycin	Virginiamycin M1	Horse animal material or animal product	0.1
		Poultry animal material or animal product	0.1
Xylazine	Xylazine	Mammalian fat	0.02
		Mammalian meat	0.02
		Mammalian offal	0.05
Yohimbine	Yohimbine	Mammalian animal material or animal product	0.005
		Any other animal material or animal product	0.001
Zeranol	<i>Sum of:</i> Zeranol and ester forms, glucuronide, and sulphate conjugates of zeranol <i>Expressed as:</i> Zeranol	Mammalian animal material or animal product	0.005
Zilpaterol	<i>Sum of:</i> Zilpaterol and zilpaterol glucuronide <i>Expressed as:</i> Zilpaterol	Any animal material or animal product	0.0001
Zolazepam	Zolazepam	Deer animal material or animal product	0.005

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Column 1	Column 2	Column 3	Column 4
<i>Compound or contaminant common name</i>	<i>Substances or group of substances to which the maximum permissible level applies</i>	<i>Animal material or animal product</i>	<i>Maximum permissible level, (measured in mg/kg, unless otherwise stated)</i>
		Goat animal material or animal product	0.005
		Any other animal material or animal product	0.001

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Schedule 2: Veterinary medicines where no maximum permissible levels apply

Column 1	Column 2
<i>Agricultural compound</i>	<i>Condition</i>
Bromhexine	For use as an expectorant
Calcium borogluconate	Treatment of milk fever in cattle and sheep, hypocalcaemia, osteomalacia in cattle
Gonadotrophin(s), gonadorelin, or deslorelin	Treatment of anoestrus, treatment of impaired spermatogenesis
Estradiol& its esters or conjugates	Used as a sub-dermal growth promotant in bovine animals in accordance with all New Zealand regulatory requirements, and all regulations and specifications that apply
Oxytocin	For parturition and milk let down, treatment of agalactia, uterine atony and post-partum haemorrhages
Propantheline	Rectal examination, treatment of spasmodic colic
Trenbolone	Used as a sub-dermal growth promotant in bovine animals in accordance with all New Zealand regulatory requirements, and all regulations and specifications that apply