



08/035 Contaminant Requirements for Bee Products for Export

ANIMAL PRODUCTS ACT 1999 GENERAL REQUIREMENTS FOR EXPORT

Priority: Normal

Distribution Security Level: (1)

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1 Statutory Authority

Pursuant to section 60 of the Animal Products Act 1999, I specify the following general requirements for export entitled 08/035: Contaminant Requirements for Bee Products for Export, which are necessary for the purpose of facilitating access to overseas markets.

Pursuant to section 60A of the Animal Products Act 1999 I also notify the requirements set out in this notice. This GREX comes into effect on 19th December 2008.

GREX 08/025: Contaminant Requirements for Bee Products for Export is revoked by this notice.

Dated at Wellington this 19th day of December 2008.

[Signed]

Mary Western
Assistant Director (Export Standards - Animal Products)
New Zealand Food Safety Authority
(Acting under delegated authority)

[Signed]

Legal Services
19/ 12 /2008

2 Requirements

Maximum permissible levels of contaminants in bee products for export

2.1 The maximum permissible level (MPL) for agricultural compounds and veterinary medicines in bee products for export is 0.01mg/kg, unless otherwise specified in subclause 2.2.

2.2 The MPLs for the contaminants listed in column 1 of the following table, as measured against the substances in column 2 of the table, are set out in column 3 of the table, for the bee products listed in column 4 of the table.

Column 1	Column 2	Column 3	Column 4
<i>Contaminant</i>	<i>Substance to which the MPL applies</i>	<i>MPL mg/kg Unless otherwise stated</i>	<i>Products to which the MPL applies</i>
Amitraz	Amitraz plus 2,4 dimethyl aniline	0.2	Honey
Arsenic	Total arsenic	0.1	Honey
Cadmium	Total cadmium	0.01	Honey
Chloramphenicol	Chloramphenicol	0.0003	Bee products
Copper	Total copper	2.0	Honey
Polychlorinated Biphenyls (coplanar)	Sum of total toxic equivalents of congeners as listed in clause 6	0.5 pg/gm TEQ	Honey See subclause 2.3 and 2.4
Coumaphos	Bee products	0.1	Honey
Dioxins and furans	Sum of total toxic equivalents of congeners listed in clause 6	0.9 pg/gm TEQ	Honey See subclause 2.3 and 2.4
Lead	Total lead	0.1	Honey
Mercury	Total mercury	0.01	Honey
Flumethrin	Flumethrin	0.1	Honey
Fluvalinate	Fluvalinate	0.1	Honey
Furaltodone	3-Amino-5-morpholinomethyl-2-oxizolidinone	0.0001	Bee products
Furazolidone	3-Amino-2-oxizolidinone	0.0001	Bee products
Nitrofurantoin	Aminohydantoin	0.0001	Bee products
Nitrofurazone	Semicarbazide	0.0001	Bee products
Para-Dichlorobenzene	Para-Dichlorobenzene	0.01	Honey
Tutin	Tutin	2	Honey other than comb honey
		0.1	Comb honey

2.3 Bee products for export that are sourced from a processor who operates under a registered risk management programme under the Animal Products Act 1999 must be available for sampling

under a sampling plan for containment monitoring relating to MPLs under a relevant regulated control scheme.

2.4 A processor of bee products for export who is not required to operate under a registered risk management programme must advise the New Zealand Food Safety Authority that he or she is processing bee products for export.

2.5 Bee products for export that are sourced from a processor who is not required to operate under a registered risk management programme must—

- (a) be available for sampling under a sampling plan for contaminant monitoring relating to MPLs under a relevant regulated control scheme; or
- (b) be accompanied by documented evidence that the bee products for export do not exceed the applicable MPLs in subclauses 2.1 or 2.2.

Further information relating to polychlorinated biphenyls and dioxins and furans

2.6 By way of explanation, dioxins are the sum of polychlorinated dibenzo-para-dioxins (PCDDs) and polychlorinated dibenzofurans (PCDFs) expressed in World Health Organisation (WHO) toxic equivalents using the WHO-TEFs (toxic equivalency factors, 1997) and the dioxin-like PCBs (coplanar PCBs) expressed in World Health Organisation (WHO) toxic equivalency factors (TEFs, 1997).

2.7 The following are the WHO TEFs for human health risk assessment based on the conclusions of the World Health Organisation meeting in Stockholm in 1997 (Van den Berg et al., 1998; Toxic Equivalency Factors (TEFs) for PCBs, PCDDs, PCDFs for Humans and for Wildlife. Environmental health Perspectives, 106(12) 775).

Dibenzo-p-dioxins	TEF	Dioxin-like PCBs	TEF
2,3,7,8-TCDD	1	Non-ortho PCBs	
1,2,3,7,8-PeCDD	1	PCB 77	0.0001
1,2,3,4,7,8 hexCDD	0.1	PCB 81	0.0003
1,2,3,6,7,8-hexCDD	0.1	PCB 126	0.1
1,2,3,7,8,9-HexCDD	0.01	PCB 169	0.03
1,2,3,4,6,7,8-hepCDD	0.01		
OCDD	0.0003		
Dibenzofurans		Mono-ortho PCBs	
2,3,7,8 TCDF	0.1	PCB 105	0.00003
1,2,3,7,8 PecCDF	0.03	PCB 114	0.00003
2,3,4,7,8 PeCCF	0.3	PCB 118	0.00003
1,2,3,4,7,8 HexCDF	0.1	PCB 123	0.00003
1,2,3,6,7,8 HexCDF	0.1	PCB 156	0.00003

1,2,3,7,8,9 HexCDF	0.1	PCB 157	0.00003
2,3,4,6,7,8 HexCDF	0.1	PCB 167	0.00003
1,2,3,4,6,7,8 Hep CDF	0.01	PCB 189	0.00003
1,2,3,4,7,8,9 HepCDF	0.01		
OCDF	0.0003		

3 Definitions

3.1 In this notice, unless the context otherwise requires,—

agricultural compound has the meaning given to it in the Agricultural Compounds and Veterinary Medicines Act 1997

bee products means extracted honey, honey-in-comb, and royal jelly

contaminant means in relation to a substance, the substance and all derivatives of the substance including conversion products, metabolites, reaction products and all associated impurities considered to be of toxicological significance

substance means -

- a. any element, defined mixture of elements, compounds, or defined mixture of compounds, either naturally occurring or produced synthetically, and includes any mixtures of those; and
- b. any isotope, allotrope, isomer, congener, radical, or ion of an element or compound which is a different substance from that element or compound; and
- c. any mixtures or combinations of any of the above.

veterinary medicine has the meaning given to it in the Agricultural Compounds and Veterinary Medicines Act 1997.

3.2 All terms or expressions that are defined in the Animal Products Act 1999, but are not defined in this notice, have the same meaning as in that Act. Any term or expression that is defined in the Animal Products Act 1999 but is not defined in this document has the same meaning as in the Act.

Explanatory Note:

Recent toxicological research has found that Hyenanchin is non-toxic at the levels found in New Zealand Bee products. As a result NZFSA has removed any export limits associated with Hyenanchin.