



Ref: CTO 2015 095 [G]

Bee Products: Specified Bee Products

CTO direction to biosecurity inspectors for the clearance of bee products

This CTO direction 2015 095 [G] replaces CTO direction 2014 119 [G]

Pursuant to section 27(1)(d)(iii) of the Biosecurity Act 1993 I, Vicki Melville, Manager Animal Imports, Ministry for Primary Industries (under delegated authority), give the following directions for bee products to be given clearance in accordance with the following measures, different from those in the applicable Import Health Standard for Specified Processed Bee Products:

Replaces Clause 2.6

The import health standard for specified bee products from Australia was revoked in 2009. Bee product imports into New Zealand from all countries are regulated using this import health standard.

Replaces Clause 5.1

The following products require a permit to import:

5.1.1 Bulk untreated bee products not packaged in consumer-ready packaging and containing more than 2% honey, pollen, propolis or royal jelly for further processing at a suitable transitional facility

5.1.2 Medical preparations containing more than 50% honey by weight

Guidance: Samples of honey and other bee products imported for evaluation and subsequent destruction at transitional facilities fall under the import health standard for biological specimens, BIOPRODIC.ALL available at <http://mpi.govt.nz/document-vault/1179>

Replaces Clause 6.3

It is the importer's responsibility to ensure that any documentation presented in accordance with the requirements of this import health standard is clearly legible. Failure to do so may result in delays in obtaining biosecurity direction and/or biosecurity clearance or rejection of consignments.

Replaces Clause 7.2

Refined beeswax may be given biosecurity clearance provided that the product is:

- i. From Niue, Samoa, Solomon Islands, Tonga or Tuvalu and accompanied by a Zoosanitary Certificate issued by the veterinary authority of that country certifying that
 - a) the beeswax comes from that country; and
 - b) the country is free from European Foulbrood caused by *Melissococcus plutonius*.

Or

- ii. From any other country and accompanied by a manufacturer's declaration that identifies the product and certifies that the beeswax has been heated to at least 60 degrees Celsius for 2 hours and clarified.

Guidance: The beeswax may be in blocks which are not commercially packaged but it must be clear to an Inspector that the manufacturer's declaration relates to the consignment of beeswax.

Replaces Clauses 7.3.2 ii

The product must be:

- a) In manufactured packaging clearly indicating that the total amount of honey, bee pollen and/or royal jelly in personal consignments is no more than 2% of the total product weight; or
- b) Accompanied by a manufacturer's declaration certifying that the product contains no more than 2% honey; or
- c) A personal consignment of nougat; or
- d) Accompanied by a manufacturer's declaration certifying that the product contains no more than 50% honey and that the bee product ingredient has undergone one of the indicated heat treatments¹; or
- e) Accompanied by a manufacturer's declaration certifying that the bee product has been immersed in an ethanol solution of at least 40%; or
- f) Accompanied by a permit to import; or
- g) Honey powder in any proportion, provided that the consignment is accompanied by a manufacturer's declaration certifying that the honey powder has undergone one of the indicated heat treatments¹; or
- h) A personal consignment of commercially prepared and packaged, unopened honey mead.

Replaces Clause 7.4.2 iii

The product must be:

- a) Packaged in consumer-ready packages for direct retail sale; or
- b) In manufactured packaging clearly indicating that the total amount of propolis in personal consignments is no more than 2% of the total product weight; or
- c) Accompanied by a manufacturer's declaration certifying that the product contains no more than 2% propolis; or
- d) Accompanied by a manufacturer's declaration certifying that the propolis has been extracted from or immersed in ethanol solutions of at least 40%; or
- e) Accompanied by a manufacturer's declaration certifying that the propolis has undergone one of the indicated heat treatments¹; or
- f) Accompanied by a permit to import:

Bulk untreated propolis for further processing must be directed to a bee-proof transitional facility nominated by the importer. The Bulk untreated propolis must be held in an insect proof area as detailed in the facility manual/quality system. The bulk untreated propolis must be encapsulated at the transitional facility listed on the permit. The outer layer of those capsules must not contain any substance that is attractive to bees- including, but not limited to sugar, fruit, honey, pollen or royal jelly.

Replaces Clause 7.4.3 ii

The product must be:

- a) Encapsulated (completely covered by an edible substance that does not contain sugar, fruit, honey, pollen or royal jelly, such as gelatin or wax) and packaged in consumer-ready packages for direct retail sale; or
- b) Accompanied by a manufacturer's declaration stating that the product contains no more than 2% honey, pollen or royal jelly; or
- c) In manufactured packaging clearly indicating that the total amount of honey, bee pollen and/or royal jelly in personal consignments is no more than 2% of the total product weight; or
- d) Accompanied by a manufacturer's declaration certifying that the bee product ingredient has undergone one of the indicated heat treatments¹; or
- e) Accompanied by a permit to import:

Bulk untreated bee products for further processing must be directed to a bee-proof transitional facility nominated by the importer. Bulk untreated bee products must be held in an insect proof area as detailed in the facility manual/quality system. The bulk untreated bee product must be encapsulated at the transitional facility listed on the permit. The outer layer of those capsules must not contain any substance that is attractive to bees- including, but not limited to sugar, fruit, honey, pollen or royal jelly.

Replaces Clause 7.4.4 ii

The product must be:

- a) Accompanied by a manufacturer's declaration stating that the product contains no more than 2% honey, pollen or royal jelly; or
- b) A personal consignment of commercially manufactured and packaged throat spray (limit twelve bottles per person); or
- c) In manufactured packaging clearly indicating that the total amount of honey, bee pollen and/or royal jelly in personal consignments is no more than 2% of the total product weight; or
- d) Accompanied by a manufacturer's declaration certifying that the bee product ingredient has undergone one of the indicated heat treatments¹; or
- e) Accompanied by a manufacturer's declaration specifying that the product contains no more than 50 percent liquid honey and that the bee product ingredient has undergone radiation treatment at a rate of at least 15 kGy. This includes products such as toothpaste, cosmetics and medical preparations that are topically applied. Products for human consumption such as cough syrup and throat lozenges may not be irradiated; or
- f) Accompanied by a permit to import:

Bulk untreated bee product ingredients for further processing must be directed to a bee-proof transitional facility. Bulk untreated bee products must be held in an insect proof area as detailed in the facility manual/quality system. The bulk untreated bee product must be encapsulated at the transitional facility listed on the permit. The outer layer of those capsules must not contain any substance that is attractive to bees- including, but not limited to sugar, fruit, honey, pollen or royal jelly.

¹A treatment in which the core temperature of bee product has reached:

- i. 50°C for a minimum of 54 hours; or
- ii. 60°C for a minimum of 10 hours; or
- iii. 65°C for a minimum of 8 hours; or
- iv. 70°C for a minimum of 1 hour and 48 minutes; or
- v. 80°C for a minimum of 22 minutes; or
- vi. 82°C for a minimum of 20 minutes; or
- vii. 90°C or more for a minimum of 5 minutes; or

- viii. 100°C for a minimum of 5 minutes; or
- ix. 130°C for a minimum of 1 second.

Guidance:

- Bee-proof transitional facilities are under the standard MPI-STD-TFGEN, Annex F (General transitional facility for Uncleared Goods, applying to Clause 5.8 of the Standard for Transitional Facilities for Uncleared Goods (<http://www.biosecurity.govt.nz/files/regs/stds/bnz-std-tfgen.pdf>))
- A manufacturer's declaration is prepared by the manufacturer on letterhead paper, dated within the last 12 months and signed by the quality manager or equivalent.

The nature of the non-compliance with the requirements in the Import Health Standard for Specified Processed Bee Products 2006 is that the previous CTOd 2014 119 [G] does not contain 50°C and 60°C time-temperature treatments for reduction of risk of *Melisococcus plutonius* by 6D. These treatments are derived from the 6D reduction predictive model developed by Cox and Domijan (2004) as referenced in the Import risk analysis: Honey bee products 2004. The 50°C and 60°C time-temperature treatments are now included in this CTO direction.

Table 4 Time taken for D and 6D reductions in number of viable bacterial cells

Temp	Time to 90% reduction	95% CIs	Time to 6D reduction	95% CI for 6D reduction
50	534.05	(469.3, 607.7)	3237.72	(2683.6, 3906.2)
60	65.61	(55.3, 77.8)	576.29	(509.5, 651.8)
70	6.97	(5.5, 8.8)	107.48	(92.5, 124.9)
80	0.55	(0.3, 0.9)	22.06	(18.5, 26.2)
90	0.02	(0, 0.1)	5.81	(4.4, 7.6)
100	<0.01	(0, 0.8)	4.70	(1.7, 13.3)

Source: Cox and Domijan 2004

The reason for directing clearance is that the biosecurity risks associated with this CTO direction have been assessed and are managed effectively.

This direction takes effect from the date of signing and continues in effect until amended or revoked.