

## Food Standards (Application A1157 – Enzymatic production of Rebaudioside M) Variation

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The Board of Food Standards Australia New Zealand gives notice of the making of this variation under section 92 of the *Food Standards Australia New Zealand Act 1991*. The variation commences on the date specified in clause 3 of this variation.

Dated 10 January 2019



Standards Management Officer  
Delegate of the Board of Food Standards Australia New Zealand

**Note:**

This variation will be published in the Commonwealth of Australia Gazette No. FSC 124 on 23 January 2019. This means that this date is the gazettal date for the purposes of clause 3 of the variation.

## 1 Name

This instrument is the *Food Standards (Application A1157 – Enzymatic production of Rebaudioside M) Variation*.

## 2 Variation to standards in the *Australia New Zealand Food Standards Code*

The Schedule varies Standards in the *Australia New Zealand Food Standards Code*.

## 3 Commencement

The variation commences on the date of gazettal.

### Schedule

[1] **Schedule 3** is varied by omitting subsection S3—35(2), substituting

- (2) The preparation must be obtained from the leaves of the *Stevia rebaudiana* Bertoni plant by using one of the following processes:
  - (a) the leaves are extracted with hot water and the extracts are purified using ion-exchange resins followed by recrystallisation from methanol or aqueous ethanol;
  - (b) by enzymatic conversion of purified stevia leaf extract to produce rebaudioside M using protein engineered enzymes that:
    - (i) contain both UDP-glucosyltransferase (EC 2.4.1.17) and sucrose synthase (EC 2.4.1.13) components; and
    - (ii) are sourced from both of the following
      - (a) a *Pichia pastoris* strain expressing UGT-A;
      - (b) a *Pichia pastoris* strain expressing both UGT-B1 and UGT-B2
- (2A) The final product may be spray dried.

[2] **Schedule 18** is varied by inserting in the table to subsection S18—9(3), in alphabetical order

Protein engineered enzymes that: contain both UDP-glucosyltransferase (EC 2.4.1.17) and sucrose synthase (EC 2.4.1.13) components; and are sourced from both of the following; a *Pichia pastoris* strain expressing UGT-A, and a *Pichia pastoris* strain expressing both UGT-B1 and UGT-B2.

For the conversion of purified stevia leaf extract to produce rebaudioside M

GMP