Food Standards (Application A1268 – Steviol glycosides produced by bioconversion using new enzymes produced by GM *Escherichia coli*) Variation

---

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.

12 January 2024

Owen Walsh, Section Manager – Standards Management
Delegate of the Board of Food Standards Australia New Zealand

Note:

This variation will be published in the Commonwealth of Australia Gazette No. FSC 165 on 19 January 2024. 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 A1268 – Steviol glycosides produced by bioconversion using new enzymes produced by GM* Escherichia coli*) 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

Schedule 3—Identity and purity

[1] Subparagraph S3—35(2)(d)(ii)

Omit the subparagraph, substitute:

(ii) is sourced from *Pichia pastoris* strain UGT-A;

(e) by enzymatic conversion of purified stevia leaf extract to produce rebaudioside M using all of the following protein engineered enzymes:

(i) UTP-glucose-1-phosphate uridylyltransferase (EC 2.7.7.9) sourced from *Escherichia coli* K-12; and

(ii) UDP-glucosyltransferase sourced from *Escherichia coli* K-12; and

(iii) sucrose synthase (EC 2.4.1.13) sourced from *Escherichia coli* K-12;

(f) by enzymatic conversion of purified stevia leaf extract to produce rebaudioside I using both of the following protein engineered enzymes:

(i) UTP-glucose-1-phosphate uridylyltransferase (EC 2.7.7.9) sourced from *Escherichia coli* K-12; and

(ii) sucrose synthase (EC 2.4.1.13) sourced from *Escherichia coli* K-12.

Schedule 18—Processing aids

[2] Subsection S18—9(3) (table)

Insert the following entry for each enzyme in alphabetical order:

Sucrose synthase, protein engineered variant, (EC 2.4.1.13) sourced from *Escherichia coli* K-12 containing the gene for sucrose synthase from *Glycine max*	For the conversion of purified stevia leaf extract to produce one or more of the following: rebaudioside I and rebaudioside M	GMP
Uridine diphosphate (UDP)-glucosyltransferase, protein engineered variant, sourced from *Escherichia coli* K-12 containing the UDP-glucosyltransferase gene from *Oryza sativa*	For the conversion of purified stevia leaf extract to produce rebaudioside M	GMP
Uridine triphosphate (UTP)-glucose-1-phosphate uridylyltransferase, protein engineered variant, (EC 2.7.7.9) sourced from *Escherichia coli* K-12, containing the gene for UTP-glucose-1-phosphate uridylyltransferase from *Bifidobacterium bifidum*	For the conversion of purified stevia leaf extract to produce one or more of the following: rebaudioside I and rebaudioside M	GMP