

Schedule 29 Special purpose foods

Note 1 This instrument is a standard under the *Food Standards Australia New Zealand Act 1991* (Cth). The standards together make up the *Australia New Zealand Food Standards Code*. See also section 1.1.1—3.

Special purpose foods are regulated by Part 9 of Chapter 2, which contains Standard 2.9.1, Standard 2.9.2, Standard 2.9.3, Standard 2.9.4, Standard 2.9.5 and Standard 2.9.6. This Standard prescribes information for these standards.

Note 2 The provisions of the Code that apply in New Zealand are incorporated in, or adopted under, the *Food Act 2014* (NZ). See also section 1.1.1—3.

S29—1 Name

This Standard is *Australia New Zealand Food Standards Code – Schedule 29 – Special purpose foods*.

Note Commencement:
This Standard commences on 1 March 2016, being the date specified as the commencement date in notices in the *Gazette* and the *New Zealand Gazette* under section 92 of the *Food Standards Australia New Zealand Act 1991* (Cth). See also section 93 of that Act.

S29—2 Infant formula products—calculation of energy content

- (1) For paragraph 2.9.1—4(2)(a), the energy content of infant formula product must be calculated using:
 - (a) the energy contributions of the following *components only:
 - (i) fat; and
 - (ii) protein; and
 - (iii) carbohydrate; and
 - (b) the relevant energy factors set out in section S11—2.
- (2) The energy content of an infant formula product must be expressed in kilojoules.

S29—2A Infant formula products—calculation of protein content

For paragraph 2.9.1—4(2)(b), the protein content of infant formula product must be calculated by multiplying the nitrogen content of the product by a nitrogen-to-protein conversion factor of 6.25.

S29—2B Infant formula products—calculation of vitamin A content

For paragraph 2.9.1—4(2)(c), the vitamin A content of infant formula products must be calculated using only the retinol forms of vitamin A prescribed in Column 1 of Table S29—23.

S29—3 Infant formula products—L-amino acids that must be present

For subsection 2.9.1—6(5) and section 2.9.1—33, the table is:

L-amino acids that must be present in infant formula products

<i>L-amino acid</i>	<i>Minimum amount per 100 kJ</i>
Cysteine	9 mg
Histidine	10 mg
Isoleucine	22 mg
Leucine	40 mg
Lysine	27 mg
Methionine	6 mg
Phenylalanine	19 mg
Threonine	18 mg

Tryptophan	8 mg
Tyrosine	18 mg
Valine	22 mg

S29—4 Infant formula products—limits on fatty acids

For paragraphs 2.9.1—7(1)(g) and 2.9.1—34(1)(g), the table is:

Limits on fatty acids that may be present in infant formula products

<i>Column 1</i>	<i>Column 2</i>
<i>Substance</i>	<i>Maximum amount per 100 kJ</i>
Docosahexaenoic acid	12 mg
Total <i>trans</i> fatty acids	Not more than 4% of the total fatty acids
Erucic acid (22:1)	Not more than 1% of the total fatty acids

S29—5 Vitamins, minerals, electrolytes and other substances required in infant formula and special medical purpose product for infants

For sections 2.9.1—7(2)(b)(i), 2.9.1—8(1), 2.9.1—34(2)(b) and 2.9.1—36(1), the table is:

Vitamins, minerals, electrolytes and other nutritive substances required in infant formula and special medical purpose product for infants

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>	<i>Column 4</i>
<i>Substance</i>	<i>Minimum amount per 100 kJ</i>	<i>Maximum amount per 100 kJ</i>	<i>Guidance upper level per 100 kJ (see Note)</i>
Vitamins			
Vitamin A	14 µg RE	43 µg RE	
Vitamin D	0.24 µg	0.63 µg	
Vitamin C	1.7 mg		17 mg
Thiamin	10 µg		72 µg
Riboflavin	14.3 µg		120 µg
Niacin	72 µg		359 µg
Vitamin B ₆	8 µg		42 µg
Folic acid	2.4 µg		12 µg
Pantothenic acid	96 µg		478 µg
Vitamin B ₁₂	0.02 µg		0.36 µg
Biotin	0.24 µg		2.4 µg
Vitamin E	0.14 mg α-TE		1.2 mg α-TE
Vitamin K	0.24 µg		6 µg
Minerals			
Calcium	12 mg		35 mg
Phosphorus	6 mg		24 mg
Magnesium	1.2 mg		3.6 mg

Iron	0.14 mg	0.48 mg	
Iodine	2.4 µg		14 µg
Copper	8 µg		29 µg
Zinc	0.12 mg		0.36 mg
Manganese	0.24 µg		24 µg
Selenium	0.48 µg		2.2 µg
Electrolytes			
Chloride	12 mg	38 mg	
Sodium	4.8 mg	14 mg	
Potassium	14 mg	43 mg	
Other essential substances			
Choline	1.7 mg		12 mg
L-carnitine	0.3 mg		0.8 mg
Inositol	1 mg		10 mg

Note It is recommended that infant formula and a special medical purpose product for infants contain a substance listed in Column 1 of the table in an amount that is not more than the amount (if any) specified for that substance in Column 4 of the table. The amounts specified in Column 4 are Guidance Upper Levels and are recommended upper levels for nutrients which pose no significant risks on the basis of current scientific knowledge. These levels are values derived on the basis of meeting nutritional requirements of infants and an established history of apparent safe use. These Guidance Upper Levels should not be exceeded unless higher nutrient levels cannot be avoided due to high or variable contents in constituents of infant formulas or special medical purpose product for infants; or due to technological reasons.

S29—6 Vitamins, minerals and electrolytes required in follow-on formula

For subparagraph 2.9.1—7(2)(b)(ii) and subsection 2.9.1—8(2), the table is:

Vitamins, minerals and electrolytes required in follow-on formula

Column 1	Column 2	Column 3	Column 4
<i>Vitamin, mineral or electrolyte</i>	<i>Minimum amount per 100 kJ</i>	<i>Maximum amount per 100 kJ</i>	<i>Guidance upper level per 100 kJ (see Note)</i>
Vitamins			
Vitamin A	14 µg RE	43 µg RE	
Vitamin D	0.24 µg	0.72 µg	
Vitamin C	1.7 mg		17 mg
Thiamin	10 µg		72 µg
Riboflavin	14.3 µg		120 µg
Niacin	72 µg		359 µg
Vitamin B ₆	8 µg		42 µg
Folic acid	2.4 µg		12 µg
Pantothenic acid	96 µg		478 µg
Vitamin B ₁₂	0.02 µg		0.36 µg
Biotin	0.24 µg		2.4 µg
Vitamin E	0.14 mg α-TE		1.2 mg α-TE
Vitamin K	0.24 µg		6 µg
Minerals			
Calcium	12 mg		43 mg

Phosphorus	6 mg	24 mg
Magnesium	1.2 mg	3.6 mg
Iron	0.24 mg	0.48 mg
Iodine	2.4 µg	14 µg
Copper	8 µg	29 µg
Zinc	0.12 mg	0.36 mg
Manganese	0.24 µg	24 µg
Selenium	0.48 µg	2.2 µg
Electrolytes		
Chloride	12 mg	38 mg
Sodium	4.8 mg	14 mg
Potassium	14 mg	43 mg

Note It is recommended that follow-on formula contain a substance listed in Column 1 of the table in an amount that is not more than the amount (if any) specified for that substance in column 4 of the table. The amounts specified are Guidance Upper Levels and are recommended upper levels for nutrients which pose no significant risks on the basis of current scientific knowledge. These levels are values derived on the basis of meeting nutritional requirements of infants and an established history of apparent safe use. The Guidance Upper Levels should not be exceeded unless higher nutrient levels cannot be avoided due to high or variable contents in constituents of follow-on formula or due to technological reasons.

S29—7 Optional nutritive substances in infant formula and special medical purpose product for infants

For subsection 2.9.1—9(1) and section 2.9.1—37, the table is set out below.

Optional nutritive substances in infant formula and special medical purpose product for infants

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
<i>Substance</i>	<i>Minimum amount per 100 kJ</i>	<i>Maximum amount per 100 kJ</i>
2'-fucosyllactose permitted for use by Standard 1.5.2		96 mg
3'-sialyllactose sodium salt permitted for use by Standard 1.5.2		8 mg
6'-sialyllactose sodium salt permitted for use by Standard 1.5.2		16 mg
A combination of 2'-fucosyllactose and difucosyllactose, permitted for use by Standard 1.5.2		96 mg
A combination of: 2'-fucosyllactose permitted for use by Standard 1.5.2; and lacto-N-neotetraose permitted for use by Standard 1.5.2		96 mg which contains not more than 24 mg of lacto-N-neotetraose
Adenosine-5'-monophosphate		0.36 mg
Cytidine-5'-monophosphate		0.6 mg
Guanosine-5'-monophosphate		0.4 mg

Inosine-5'-monophosphate		0.24 mg
Lactoferrin		40 mg
lacto-N-tetraose permitted for use by Standard 1.5.2		32 mg
Lutein	1.5 µg	5 µg
Taurine		2.9 mg
Uridine-5'-monophosphate		0.42 mg

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Optional nutritive substances in follow-on formula

For subsection 2.9.1—9(2), the table is set out below.

Optional nutritive substances in follow-on formula

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>	<i>Column 4</i>
<i>Substance</i>	<i>Minimum amount per 100 kJ</i>	<i>Maximum amount per 100 kJ</i>	<i>Guidance upper level per 100 kJ (see Note)</i>
2'-fucosyllactose permitted for use by Standard 1.5.2		96 mg	
3'-sialyllactose sodium salt permitted for use by Standard 1.5.2		8 mg	
6'-sialyllactose sodium salt permitted for use by Standard 1.5.2		16 mg	
A combination of 2'-fucosyllactose and difucosyllactose, permitted for use by Standard 1.5.2		96 mg	
A combination of: 2'-fucosyllactose permitted for use by Standard 1.5.2; and lacto-N-neotetraose permitted for use by Standard 1.5.2		96 mg which contains not more than 24 mg of lacto-N-neotetraose	
Adenosine-5'-monophosphate		0.36 mg	
L-carnitine	0.3 mg		
Choline			12 mg
Cytidine-5'-monophosphate		0.6 mg	
Guanosine-5'-monophosphate		0.4 mg	
Inosine-5'-monophosphate		0.24 mg	
Lactoferrin		40 mg	
lacto-N-tetraose permitted for use by Standard 1.5.2		32 mg	
Lutein	1.5 µg	5 µg	
Inositol			10 mg
Taurine		2.9 mg	
Uridine-5'-monophosphate		0.42 mg	

Note It is recommended that follow-on formula contain a substance listed in Column 1 of the table in an amount that is not more than the amount (if any) specified for that substance in Column 4 of the table. The amounts specified in Column 4 are Guidance Upper Levels and are recommended upper levels for nutrients which pose no significant risks on the basis of current scientific knowledge. These levels are values derived on the basis of meeting nutritional requirements of infants and an established history of apparent safe use. The Guidance Upper Levels should not be exceeded unless higher nutrient levels cannot be avoided due to high or variable contents in constituents of follow-on formula or due to technological reasons.

S29—9**Permitted forms of nutritive substances in infant formula products**

For paragraphs 2.9.1—10(b) and 2.9.1—38(b), the table is set out below.

Permitted forms for nutritive substances used in infant formula products

Substance	Permitted forms
2'-fucosyllactose permitted for use by Standard 1.5.2	2'-fucosyllactose
3'-sialyllactose sodium salt permitted for use by Standard 1.5.2	3'-sialyllactose sodium salt
6'-sialyllactose sodium salt permitted for use by Standard 1.5.2	6'-sialyllactose sodium salt
A combination of 2'-fucosyllactose and difucosyllactose, permitted for use by Standard 1.5.2	2'-fucosyllactose and difucosyllactose
A combination of: 2'-fucosyllactose permitted for use by Standard 1.5.2; and lacto-N-neotetraose permitted for use by Standard 1.5.2	2'-fucosyllactose and lacto-N-neotetraose
Adenosine-5'-monophosphate	Adenosine-5'- monophosphate
L-carnitine	L-carnitine L-carnitine hydrochloride L-carnitine tartrate
Choline	Choline chloride Choline bitartrate Choline Choline citrate Choline hydrogen tartrate
Cytidine-5'-monophosphate	Cytidine-5'-monophosphate
Guanosine-5'-monophosphate	Guanosine-5'-monophosphate Guanosine-5'-monophosphate sodium salt
Inosine-5'-monophosphate	Inosine-5'-monophosphate Inosine-5'-monophosphate sodium salt
Lactoferrin	Bovine lactoferrin
lacto-N-tetraose permitted for use by Standard 1.5.2	lacto-N-tetraose
Lutein	Lutein from <i>Tagetes erecta L.</i>
Inositol	Myo-inositol
Taurine	Taurine
Uridine-5'-monophosphate	Uridine-5'-monophosphate sodium salt

Note Section S29—23 lists the permitted forms of vitamins, minerals and electrolytes in infant formula products.

S29—9A**Infant formula products—conditions on use of permitted nutritive substances**

The table for this section is as follows:

Conditions of use for permitted nutritive substances

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
Substance	Permitted Form	Conditions of use
Lactoferrin	Bovine lactoferrin	<ol style="list-style-type: none"> 1. During the exclusive use period, may only be sold under the brand Synlait for *use as a nutritive substance in an infant formula product. 2. For the purposes of condition 1 above, exclusive use period means the period commencing on the date of gazettal of the <i>Food Standards (Application A1253 – Bovine Lactoferrin in Infant Formula Products) Variation</i> and ending 15 months after that date.

S29—10 Required format for a nutrition information statement

Article I. The table to this section is:

NUTRITION INFORMATION	
	Average quantity per 100 mL prepared formula
Energy	kJ
Protein	g
— Whey*	g
— Casein*	g
Fat	g
— Long chain polyunsaturated fatty acids*	
— Docosahexaenoic acid (DHA)*	mg
— Eicosapentaenoic acid (EPA)*	mg
— Arachidonic acid (ARA)*	mg
Carbohydrate	g
Vitamins	
Vitamin A	µg
Vitamin B ₆	µg
Vitamin B ₁₂	µg
Vitamin C	mg
Vitamin D	µg
Vitamin E	mg
Vitamin K	µg
Biotin	µg
Niacin (B ₃)	µg

Folate	µg
Pantothenic acid (B ₅)	µg
Riboflavin (B ₂)	µg
Thiamin (B ₁)	µg
Minerals	
Calcium	mg
Copper	µg
Iodine	µg
Iron	mg
Magnesium	mg
Manganese	µg
Phosphorus	mg
Selenium	µg
Zinc	mg
Chloride	mg
Potassium	mg
Sodium	mg
Other nutrients*	
Choline*	mg
Inositol*	mg
L-carnitine*	mg
Additional	
(insert any other substance used as a nutritive substance; or inulin-type fructans and / or galacto-oligosaccharides, to be declared)	g, mg, µg

Note: *See the following.

Entries and amounts for the following need only be included when stated in accordance with subsection 2.9.1—24(4), 2.9.1—24(5) and paragraph 2.9.1—25(6)(d): whey; casein; docosahexaenoic acid; eicosapentaenoic acid; arachidonic acid.

The heading 'Other nutrients' need only be included when required by subparagraph 2.9.1—25(2)(d)(ii) and paragraph 2.9.1—25(4)(a).

The heading 'Long chain polyunsaturated fatty acids' need only be included when required by paragraph 2.9.1—25(6)(a).

Entries and amounts for choline, inositol, L-carnitine are included under the heading 'Other nutrients' when required by paragraph 2.9.1—25(4)(a) and under the heading 'Additional' when required by paragraph 2.9.1—25(4)(b).

S29—10A Example of a nutrition information statement including quantities expressed as sold

Article II. For subsection 2.9.1—25(7), an example nutrition information statement including information expressed in accordance with subsection 2.9.1—24(7) is:

Article III.

NUTRITION INFORMATION		
	Average quantity per 100 mL prepared formula	Quantity per 100 g powder (or 100 mL liquid concentrate)

Energy	kJ	kJ
Protein	g	g
— Whey	g	g
— Casein	g	g
Fat	g	g
— Long chain polyunsaturated fatty acids		
— Docosahexaenoic acid (DHA)	mg	mg
— Eicosapentaenoic acid (EPA)	mg	mg
— Arachidonic acid (ARA)	mg	mg
Carbohydrate	g	g
Vitamins		
Vitamin A	µg	µg
Vitamin B ₆	µg	µg
Vitamin B ₁₂	µg	µg
Vitamin C	mg	mg
Vitamin D	µg	µg
Vitamin E	mg	mg
Vitamin K	µg	µg
Biotin	µg	µg
Niacin (B ₃)	µg	µg
Folate	µg	µg
Pantothenic acid (B ₅)	µg	µg
Riboflavin (B ₂)	µg	µg
Thiamin (B ₁)	µg	µg
Minerals		
Calcium	mg	mg
Copper	µg	µg
Iodine	µg	µg
Iron	mg	mg
Magnesium	mg	mg
Manganese	µg	µg
Phosphorus	mg	mg
Selenium	µg	µg
Zinc	mg	mg
Chloride	mg	mg
Potassium	mg	mg
Sodium	mg	mg
Other nutrients		
Choline	mg	mg
Inositol	mg	mg
L-carnitine	mg	mg
Additional		

(insert any other substance used as a nutritive substance; or inulin-type fructans and / or galacto-oligosaccharides, to be declared)	g, mg, µg	g, mg, µg
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S29—11 Food for infants—claims that can be made about vitamins and minerals added to cereal-based food for infants

For section 2.9.2—10, the table is:

Claims that can be made about vitamins and minerals added to cereal-based food for infants

<i>Vitamin or mineral</i>	<i>Maximum claim per serve</i>
Thiamin (mg)	15% RDI
Niacin (mg)	15% RDI
Folate (µg)	10% RDI
Vitamin B ₆ (mg)	10% RDI
Vitamin C (mg)	10% RDI
Magnesium (mg)	15% RDI

S29—12 Formulated meal replacements—vitamins and minerals that must be present in formulated meal replacements

- (1) For sections 2.9.3—3, 2.9.3—4 and 2.9.6—4, the table is set out below.
- (2) In the table, the amounts set out in columns 2 and 3 are for a 1-meal serving, and are expressed as a proportion of the RDI.

Vitamins and minerals that must be present in formulated meal replacements

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
<i>Vitamin or mineral</i>	<i>Maximum amount</i>	<i>Maximum claim</i>
Vitamin A	300 µg (40%)	300 µg (40%)
Thiamin	No amount set	0.55 mg (50%)
Riboflavin	No amount set	0.85 mg (50%)
Niacin	No amount set	5 mg (50%)
Folate	No amount set	100 µg (50%)
Vitamin B ₆	No amount set	0.8 mg (50%)
Vitamin B ₁₂	No amount set	1 µg (50%)
Vitamin C	No amount set	20 mg (50%)
Vitamin D	5.0 µg (50%)	5 µg (50%)
Vitamin E	No amount set	5 mg (50%)
Calcium	No amount set	400 mg (50%)
Iodine	75 µg (50%)	75 µg (50%)
Iron	No amount set	4.8 mg (40%)
Magnesium	No amount set	160 mg (50%)
Phosphorus	No amount set	500 mg (50%)

Column 1	Column 2	Column 3
<i>Vitamin or mineral</i>	<i>Maximum amount</i>	<i>Maximum claim</i>
Zinc	No amount set	4.8 mg (40%)

S29—13 Vitamins and minerals that may be added to formulated meal replacements

- (1) For sections 2.9.3—3, 2.9.3—4 and 2.9.6—4, the table is set out below.
- (2) In the table, the amounts set out in columns 2 and 3 are for a 1-meal serving, and are expressed as a proportion of the *ESADDI unless stated otherwise.

Vitamins and minerals that may be added to formulated meal replacements

Column 1	Column 2	Column 3
<i>Vitamin or mineral</i>	<i>Maximum amount</i>	<i>Maximum claim</i>
Biotin	No amount set	5 µg (17%)
Pantothenic acid	No amount set	0.8 mg (17%)
Vitamin K	No amount set	40 µg (50%)
Chromium:		
<i>inorganic</i>	34 µg (17%)	34 µg (17%)
<i>organic</i>	16 µg (8%)	no claim permitted
Copper:		
<i>inorganic</i>	0.50 mg (17%)	0.50 mg (17%)
<i>organic</i>	0.24 mg (8%)	no claim permitted
Manganese:		
<i>inorganic</i>	0.85 mg (17%)	0.85 mg (17%)
<i>organic</i>	0.4 mg (8%)	no claim permitted
Molybdenum:		
<i>inorganic</i>	42.5 µg (17%)	42.5 µg (17%)
<i>organic</i>	20 µg (8%)	no claim permitted
Selenium:		
<i>inorganic</i>	17.5 µg (25% RDI)	17.5 µg (25% RDI)
<i>organic</i>	9 µg (13% RDI)	9 µg (13% RDI)

S29—14**Vitamins and minerals that may be added to formulated supplementary foods**

- (1) For sections 2.9.3—5 and 2.9.3—6, the table is set out below.
- (2) In the table, the amounts set out in Columns 2 and 3 are for a serving, and are expressed as a proportion of the RDI.

Vitamins and minerals that may be added to formulated supplementary foods

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
<i>Vitamin or mineral</i>	<i>Maximum amount</i>	<i>Maximum claim</i>
Vitamins		
Vitamin A	340 µg (45%)	265 µg (35%)
Thiamin	No amount set	0.55 mg (50%)
Riboflavin	No amount set	0.85 mg (50%)
Niacin	No amount set	5 mg (50%)
Folate	No amount set	100 µg (50%)
Vitamin B ₆	No amount set	0.8 mg (50%)
Vitamin B ₁₂	No amount set	1 µg (50%)
Vitamin C	No amount set	20 mg (50%)
Vitamin D	5 µg (50%)	5 µg (50%)
Vitamin E	No amount set	5 mg (50%)
Minerals		
Calcium	No amount set	400 mg (50%)
Iodine	75 µg (50%)	75 µg (50%)
Iron	No amount set	6 mg (50%)
Magnesium	No amount set	130 mg (40%)
Phosphorus	No amount set	500 mg (50%)
Zinc	No amount set	3 mg (25%)

S29—15**Vitamins and minerals that may be added to formulated supplementary food for young children**

- (1) For sections 2.9.3—7 and 2.9.3—8, the table is set out below.
- (2) In the table, the amounts set out in Columns 2 and 3 are for a serving, and are expressed as a proportion of the RDI.

Vitamins and minerals that may be added to formulated supplementary food for young children

Column 1	Column 2	Column 3
<i>Vitamin or mineral</i>	<i>Maximum amount (as percentage of RDI)</i>	<i>Maximum claim (as percentage of RDI)</i>
Vitamins		
Vitamin A	135 µg (45%)	105 µg (35%)
Thiamin	No amount set	0.25 mg (50%)
Riboflavin	No amount set	0.4 mg (50%)
Niacin	No amount set	2.5 mg (50%)
Folate	No amount set	50 µg (50%)
Vitamin B ₆	No amount set	0.35 mg (50%)
Vitamin B ₁₂	No amount set	0.5 µg (50%)
Vitamin C	No amount set	15 mg (50%)
Vitamin D	2.5 µg (50%)	2.5 µg (50%)
Vitamin E	No amount set	2.5 mg (50%)
Minerals		
Calcium	No amount set	350 mg (50%)
Iodine	70 µg (100%)	35 µg (50%)
Iron	No amount set	3.0 mg (50%)
Magnesium	No amount set	32 mg (40%)
Phosphorus	No amount set	250 mg (50%)
Zinc	No amount set	1.1 mg (25%)

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Vitamins and minerals that may be added to formulated supplementary sports foods

- (1) For section 2.9.4—3, the table is set out below.
- (2) In the table, the amounts set out in Columns 2 and 3 are for a *one-day quantity.

Vitamins and minerals that may be added to formulated supplementary sports foods

Column 1	Column 2	Column 3
<i>Vitamin or mineral</i>	<i>Maximum amount</i>	<i>Maximum claim</i>
Vitamins		
Vitamin A	375 µg	375 µg
Thiamin		2.2 mg
Riboflavin		3.4 mg
Niacin		20 mg
Folate		400 µg
Vitamin B ₆		3.2 mg
Vitamin B ₁₂		4 µg
Vitamin C		80 mg
Vitamin D	2.5 µg	2.5 µg
Vitamin E		20 mg
Biotin		50 µg

Column 1	Column 2	Column 3
<i>Vitamin or mineral</i>	<i>Maximum amount</i>	<i>Maximum claim</i>
Pantothenic acid		3.5 mg
Minerals		
Calcium		1 600 mg
Chromium:		
<i>inorganic forms</i>	100 µg	100 µg
<i>organic forms</i>	50 µg	50 µg
Copper:		
<i>inorganic forms</i>	1.5 mg	1.5 mg
<i>organic forms</i>	750 µg	750 µg
Iodine	75 µg	75 µg
Iron		12 mg
Magnesium		640 mg
Manganese:		
<i>inorganic forms</i>		2.5 mg
<i>organic forms</i>		1.25 mg
Molybdenum:		
<i>inorganic forms</i>		125 µg
<i>organic forms</i>		62.5 µg
Phosphorus		1 000 mg
Selenium:		
<i>inorganic forms</i>	52 µg	52 µg
<i>organic forms</i>	26 µg	26 µg
Zinc		12 mg

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Additional permitted forms for vitamins and minerals in formulated supplementary sports foods and in formulated meal replacements

For sections 2.9.3—3 and 2.9.4—3, the table is:

Additional permitted forms

Column 1	Column 2
<i>Vitamin or mineral</i>	<i>Permitted forms</i>
Biotin	d-biotin
Pantothenic acid	d-sodium pantothenate
Calcium	Calcium hydroxide
Chromium:	
<i>inorganic forms</i>	Chromic chloride
<i>organic forms</i>	High chromium yeast
	Chromium picolinate
	Chromium nicotinate
	Chromium aspartate

Column 1	Column 2
<i>Vitamin or mineral</i>	<i>Permitted forms</i>
Copper:	
<i>inorganic forms</i>	Cupric carbonate Cupric sulphate
<i>organic forms</i>	Copper gluconate Copper-lysine complex Cupric citrate
Magnesium	Magnesium citrate Magnesium hydroxide
Manganese:	
<i>inorganic forms</i>	Manganese carbonate Manganese chloride Manganese sulphate
<i>organic forms</i>	Manganese citrate
Molybdenum:	
<i>inorganic forms</i>	Sodium molybdate
<i>organic forms</i>	High molybdenum yeast
Phosphorus	Magnesium phosphate, monobasic Potassium phosphate, tribasic Sodium phosphate, monobasic Sodium phosphate, tribasic Phosphoric acid

S29—18

Amino acids that may be added to formulated supplementary sports food

For paragraph 2.9.4—3(1)(b), the table is.

Amino acids that may be added to formulated supplementary sports food

Column 1	Column 2
<i>Amino acid</i>	<i>Maximum amount that may be added to a one-day quantity</i>
L-Alanine	1 200 mg
L-Arginine	1 100 mg
L-Aspartic acid	600 mg
L-Cysteine	440 mg
L-Glutamine	1 900 mg
L-Glutamic acid	1 600 mg
Glycine	1 500 mg
L-Histidine	420 mg
L-Isoleucine	350 mg
L-Leucine	490 mg
L-Lysine	420 mg

Column 1	Column 2
<i>Amino acid</i>	<i>Maximum amount that may be added to a one-day quantity</i>
L-Methionine	180 mg
L-Ornithine	360 mg
L-Phenylalanine	490 mg
L-Proline	1 100 mg
L-Serine	1 400 mg
L-Taurine	60 mg
L-Threonine	245 mg
L-Tyrosine	400 mg
L-Tryptophan	100 mg
L-Valine	350 mg

S29—19 Substances that may be used as nutritive substances in formulated supplementary sports food

For paragraph 2.9.4—3(1)(c), the table is:

Substances that may be used as nutritive substances in formulated supplementary sports food

Column 1	Column 2
<i>Substance</i>	<i>Maximum amount that may be added to a one-day quantity</i>
L-carnitine	2g
Choline	10 mg
Inosine	10 mg
Ubiquinones	15 mg
Creatine	3 g
Gamma-oryzinol	25 mg

S29—20 Substances that may be added to food for special medical purposes

For section 2.9.5—6, the table is.

Substances that may be added to food for special medical purposes

Column 1	Column 2
<i>Substance</i>	<i>Permitted forms</i>
Vitamins	
Niacin	Nicotinamide riboside chloride Nicotinic acid
Vitamin B ₆	Pyridoxine dipalmitate
Folate	Calcium L-methylfolate
Vitamin E	D-alpha-tocopherol D-alpha-tocopheryl polyethylene glycol-1000 succinate (TPGS)

Column 1	Column 2
<i>Substance</i>	<i>Permitted forms</i>
Pantothenic acid	Sodium pantothenate D-panthenol DL-panthenol
Minerals and electrolytes	
Boron	Sodium borate Boric acid
Calcium	Calcium bisglycinate Calcium citrate malate Calcium malate Calcium L-pidolate
Chloride	Choline chloride Sodium chloride, iodised Hydrochloric acid
Chromium	Chromium chloride Chromium picolinate Chromium potassium sulphate
Copper	Copper-lysine complex Cupric carbonate
Fluoride	Potassium fluoride Sodium fluoride
Iodine	Sodium iodate
Iron	Carbonyl iron Electrolytic iron Ferric citrate Ferric gluconate Ferric orthophosphate Ferric pyrophosphate, sodium Ferric saccharate Ferric sodium diphosphate Ferrous bisglycinate Ferrous carbonate Ferrous carbonate, stabilised Ferrous L-pidolate Iron, reduced (ferrum reductum)
Magnesium	Magnesium acetate Magnesium L-aspartate Magnesium bisglycinate Magnesium citrate Magnesium glycerophosphate Magnesium hydroxide Magnesium hydroxide carbonate

Column 1	Column 2
<i>Substance</i>	<i>Permitted forms</i>
	Magnesium lactate
	Magnesium phosphate, monobasic
	Magnesium L-pidolate
	Magnesium potassium citrate
Manganese	Manganese glycerophosphate
Molybdenum	Ammonium molybdate
Potassium	Potassium glycerophosphate
	Potassium lactate
	Potassium L-pidolate
Selenium	Selenium enriched yeast
	Sodium hydrogen selenite
	Sodium selenate
Zinc	Zinc bisglycinate
	Zinc carbonate
	Zinc citrate
	Zinc lactate

Other substances

Amino acids	Sodium, potassium, calcium, magnesium salts of single amino acids listed in this section
	Hydrochlorides of single amino acids listed in this section
	L-alanine
	L-arginine
	L-arginine acetate
	L-asparagine
	L-aspartic acid
	L-citrulline
	L-cysteine
	L-cystine
	L-glutamic acid
	L-glutamine
	Glycine
	L-histidine
	L-isoleucine
	L-leucine
	L-lysine
	L-lysine acetate
	L-methionine
	L-ornithine
	L-phenylalanine
	L-proline

Column 1	Column 2
<i>Substance</i>	<i>Permitted forms</i>
	L-serine
	L-threonine
	L-tyrosine
	L-tryptophan
	L-valine
	L-arginine-L-aspartate
	L-lysine-L-aspartate
	L-lysine-L-glutamate
	N-acetyl-L-methionine
Carnitine	L-carnitine
	L-carnitine hydrochloride
	L-carnitine L-tartrate
Choline	Choline
	Choline bitartrate
	Choline chloride
	Choline citrate
	Choline hydrogen tartrate
Inositol	Inositol
Nucleotides	Adenosine-5'-monophosphate
	Adenosine-5'-monophosphate sodium salt
	Cytidine-5'-monophosphate
	Cytidine-5'-monophosphate sodium salt
	Guanosine-5'-monophosphate
	Guanosine-5'-monophosphate sodium salt
	Inosine-5'-monophosphate
	Inosine-5'-monophosphate sodium salt
	Uridine-5'-monophosphate
	Uridine-5'-monophosphate sodium salt
Taurine	Taurine

S29—21 Amounts of nutrients for food for special medical purposes represented as a sole source of nutrition

For section, 2.9.5—7, the table is:

Amounts of nutrients for food for special medical purposes represented as a sole source of nutrition

Column 1	Column 2	Column 3
<i>Nutrient</i>	<i>Minimum amount per MJ</i>	<i>Maximum amount per MJ</i>
Vitamins		
Vitamin A	84 µg retinol equivalents ¹	430 µg retinol equivalents ¹
Thiamin	0.15 mg	No maximum set
Riboflavin	0.2 mg	No maximum set

Column 1	Column 2	Column 3
<i>Nutrient</i>	<i>Minimum amount per MJ</i>	<i>Maximum amount per MJ</i>
Niacin	2.2 mg niacin equivalents ²	No maximum set
Vitamin B ₆	0.2 mg	1.2 mg
Folate	25 µg	No maximum set
Vitamin B ₁₂	0.17 µg	No maximum set
Vitamin C	5.4 mg	No maximum set
Vitamin D		
(a) for products intended for children aged 1–10 years—	1.2 µg	7.5 µg
(b) otherwise—	1.2 µg	6.5 µg
Vitamin E	1 mg alpha-tocopherol equivalents ³	No maximum set
Biotin	1.8 µg	No maximum set
Pantothenic Acid	0.35 mg	No maximum set
Vitamin K	8.5 µg	No maximum set
Minerals		
Calcium		
(a) for products intended for children aged 1–10 years—	120 mg	600 mg
(b) otherwise—	84 mg	420 mg
Magnesium	18 mg	No maximum set
Iron	1.2 mg	No maximum set
Phosphorus	72 mg	No maximum set
Zinc	1.2 mg	3.6 mg
Manganese	0.12 mg	1.2 mg
Copper	0.15 mg	1.25 mg
Iodine	15.5 µg	84 µg
Chromium	3 µg	No maximum set
Molybdenum	7 µg	No maximum set
Selenium	6 µg	25 µg
Electrolytes		
Sodium	72 mg	No maximum set
Potassium	190 mg	No maximum set
Chloride	72 mg	No maximum set

Note 1 See paragraph 1.1.2—14(3)(a).

Note 2 For niacin, add niacin and any niacin provided from the conversion of the amino acid tryptophan, using the conversion factor 1:60.

Note 3 See paragraph 1.1.2—14(3)(c).

S29—22

Nutritional content requirements for a very low energy diet

For paragraph 2.9.5—18(1)(f), the table is:

Amounts of nutrients in a very low energy diet	
Column 1	Column 2
<i>Nutrient</i>	<i>Minimum amount per daily intake</i>
Vitamins	
Vitamin A	600 µg retinol equivalents ¹
Vitamin D	2.5 µg
Vitamin E	10 mg α-tocopherol equivalents ²
Vitamin C	30 mg
Vitamin B ₆	2 mg
Vitamin B ₁₂	1 µg
Niacin	11 mg niacin equivalents ³
Riboflavin	1.2 mg
Thiamin	0.8 mg
Folic Acid	200 µg
Minerals	
Calcium	500 mg
Phosphorus	500 mg
Iron	16 mg
Iodine	140 µg
Magnesium	350 mg
Copper	1.5 mg
Zinc	6 mg
Potassium	1.6 g
Sodium	1 g

Note 1 See paragraph 1.1.2—14(3)(a).

Note 2 See paragraph 1.1.2—14(3)(c).

Note 3 For niacin, add niacin and any niacin provided from the conversion of the amino acid tryptophan, using the conversion factor 1:60.

S29—23

Permitted forms of vitamins, minerals and electrolytes in infant formula products, food for infants, formulated meal replacements (vitamin K) and food for special medical purposes

For sections 2.9.1—10(a), 2.9.1—38(a), 2.9.2—4, 2.9.2—5, 2.9.2—6, 2.9.3—3(2)(c)(iii) and 2.9.5—6, the table is:

Permitted forms of vitamins, minerals and electrolytes in infant formula products, food for infants, formulated meal replacements (vitamin K) and food for special medical purposes

<i>Vitamin, mineral or electrolyte</i>	<i>Permitted forms</i>
Vitamin A	

	<i>Retinol forms</i>	vitamin A (retinol) vitamin A acetate (retinyl acetate) vitamin A palmitate (retinyl palmitate) retinyl propionate
	<i>Provitamin A forms</i>	beta-carotene
Vitamin C		L-ascorbic acid L-ascorbyl palmitate calcium ascorbate potassium ascorbate sodium ascorbate
Vitamin D		vitamin D ₂ (ergocalciferol) vitamin D ₃ (cholecalciferol) vitamin D (cholecalciferol-cholesterol)
Thiamin		thiamin hydrochloride thiamin mononitrate
Riboflavin		riboflavin riboflavin-5'-phosphate, sodium
Niacin		niacinamide (nicotinamide)
Vitamin B ₆		pyridoxine hydrochloride pyridoxine-5'-phosphate
Folate		Folic acid
Pantothenic acid		calcium pantothenate dexpanthenol D-panthenol calcium D-pantothenate sodium D-pantothenate
Vitamin B ₁₂		cyanocobalamin hydroxocobalamin
Biotin		d-biotin
Vitamin E		dl- α -tocopherol d- α -tocopherol concentrate tocopherols concentrate, mixed d- α -tocopheryl acetate dl- α -tocopheryl acetate d- α -tocopheryl acid succinate dl- α -tocopheryl succinate
Vitamin K		Vitamin K ₁ as phylloquinone (phytonadione)
Calcium		calcium carbonate calcium chloride calcium citrate calcium gluconate calcium glycerophosphate calcium hydroxide

	calcium lactate
	calcium oxide
	calcium phosphate, dibasic
	calcium phosphate, monobasic
	calcium phosphate, tribasic
	calcium sulphate
Chloride	calcium chloride
	magnesium chloride
	potassium chloride
	sodium chloride
Chromium	chromium sulphate
Copper	copper gluconate
	cupric sulphate
	cupric citrate
	cupric carbonate
Iodine	potassium iodate
	potassium iodide
	sodium iodide
Iron	ferric ammonium citrate
	ferric citrate
	ferric pyrophosphate
	ferrous bisglycinate
	ferrous citrate
	ferrous fumarate
	ferrous gluconate
	ferrous lactate
	ferrous succinate
	ferrous sulphate
Magnesium	magnesium carbonate
	magnesium chloride
	magnesium gluconate
	magnesium oxide
	magnesium phosphate, dibasic
	magnesium phosphate, tribasic
	magnesium sulphate
	magnesium hydroxide carbonate
	magnesium hydroxide
	magnesium salts of citric acid
Manganese	manganese carbonate
	manganese chloride
	manganese citrate
	manganese gluconate
	manganese sulphate

Molybdenum	sodium molybdate VI	
Phosphorus	calcium glycerophosphate	
	calcium phosphate, dibasic	
	calcium phosphate, monobasic	
	calcium phosphate, tribasic	
	magnesium phosphate, dibasic	
	potassium phosphate, dibasic	
	potassium phosphate, monobasic	
	potassium phosphate, tribasic	
	sodium phosphate, dibasic	
	sodium phosphate, monobasic	
	sodium phosphate, tribasic	
	Potassium	potassium bicarbonate
		potassium carbonate
potassium chloride		
potassium citrate		
potassium glycerophosphate		
potassium gluconate		
potassium hydroxide		
potassium phosphate, dibasic		
potassium phosphate, monobasic		
potassium phosphate, tribasic		
potassium L-lactate		
Selenium	seleno methionine	
	sodium selenate	
	sodium selenite	
Sodium	sodium bicarbonate	
	sodium carbonate	
	sodium chloride	
	sodium chloride iodised	
	sodium citrate	
	sodium gluconate	
	sodium hydroxide	
	sodium iodide	
	sodium lactate	
	sodium phosphate, dibasic	
	sodium phosphate, monobasic	
	sodium phosphate, tribasic	
	sodium sulphate	
	sodium tartrate	
Zinc	zinc acetate	
	zinc chloride	

zinc citrate (zinc citrate dihydrate or zinc citrate trihydrate)

zinc gluconate

zinc lactate

zinc oxide

zinc sulphate

Application, saving and transitional provisions

The table below details information on application, saving or transitional provisions in instruments affecting this Standard.

Instrument items affected	A'ment No.	FRLI registration Gazette	Instrument's transitional provision	Description of transitional arrangement
Food Standards (Application A1230 – Very Low Energy Diets (VLED)) Variation				
Item [4.1] of the Schedule	208	F2022L00733 1 June 2022 FSC 148 1 June 2022	Clause 4	<p>Clause 4 of the <i>Food Standards (Application A1230 – Very Low Energy Diets (VLED)) Variation</i> provides a transitional arrangement for the variations to the Code made by Item [4.1] of the Schedule to that legislative instrument.</p> <p>Subclause 4(1) provides that section 1.1.1—9 of the Code does not apply to the variations made by that instrument.</p> <p>Subclause 4(2) provides that, during the transition period, a food product may be sold if the product complies with one of the following:</p> <ul style="list-style-type: none"> (a) the Code as in force without the variations made by the instrument; (b) the Code as amended by the variations made by the instrument. <p>Subclause 4(3) provides that, for the purposes of the above, the transition period is the period commencing on the variation's date of commencement and ending 36 months after the date of commencement.</p> <p>This means that the transition period is the period of time that commences on 1 June 2022 and ends on 1 June 2025.</p>
Food Standards (Proposal P1028 – Infant Formula Products – Consequential Amendments) Variation				
Items [1] and [2] of Schedule 1	231	F2024L01151 13 Sept 2024 FSC 171 13 Sept 2024	Clause 4	<p>Clause 4 establishes a transitional arrangement for variations to the Code made by Items [1] and [2] of Schedule 1 and by the <i>Food Standards (Proposal P1028 – Infant Formula Products – Consequential Amendments) Variation</i>.</p> <p>The transition period is the period of time that commences on 13 September 2024 and ends on 13 September 2029.</p> <p>Subclause 4(1) provides that section 1.1.1—9 of the Code does not apply to the variations.</p> <p>Subclause 4(2) provides that during the transition period a food product may be sold if the product complies with one of the following:</p> <ul style="list-style-type: none"> (a) the Code as in force without the above variations; (b) the Code as amended by the above variations. <p>Subclause 4(3) provides that a food product that was labelled before the end of the transition period may be sold after the transition period if the product complies with one of the following:</p> <ul style="list-style-type: none"> (a) the Code as in force without the above variations; (b) the Code as amended by the above variations.

Amendment History

The Amendment History provides information about each amendment to the Schedule. The information includes commencement or cessation information for relevant amendments.

Section affected	A'ment No.	FRL registration Gazette	Commencement (Cessation)	How affected	Description of amendment
S29—21	161	F2016L00120 18 Feb 2016 FSC103 22 Feb 2016	1 March 2016	rs	Notes 1, 2 and 3 to correct incorrect cross-reference and missing full stops.
table to S29—21	168	F2017L00414 11 April 2017 FSC110 13 April 2017	13 April 2017	am	Correction to abbreviation of megajoule in the heading, Correction to formatting error for entry for vitamin E.
table to S29—14	182	F2018L01594 23 Nov 2018 FSC123 29 Nov 2018	29 Nov 2018	am	Corrections to typographical error (1)
table to S29—14	186	F2019L00996 17 July 2019 FSC127 25 July 2019	25 July 2019	am	Omit L-carnitine 100mg and substituting L-carnitine 2g
S29—5	198	F2021L00332 25 March 2021 FSC139 26 March 2021	26 March 2021	am	Inserting 2'-O-fucosyllactose and lacto-N-neotetraose
S29—7	200	F2021L00684 2 June 2021 FSC141 3 June 2021	3 June 2021	am	Correction of typographical error in table heading.
S29—20	203	F2021L01431 14 October 2021 FSC144 21 October 2021	21 October 2021	am	Omit nicotinic acid and substitute Nicotinamide riboside chloride and nicotinic acid
Table to section 2.9.1—5	205	F2022L00038 18 Jan 2022 FSC146 20 Jan 2022	20 January 2022	am	Omit 2'-O-fucosyllactose and substitute 2'-fucosyllactose
S29—22	208	F2022L00733 1 June 2022 FSC 148 1 June 2022	1 June 2022	ad	Added section 22 <i>For application, saving and transitional provisions, see above table.</i>
table to S29—5	217	F2023L00452 19 April 2023 FSC157 21 April 2023	21 April 2023	ad	Insert entry for lactoferrin – bovine lactoferrin.
S29—5A	217	F2023L00452 19 April 2023 FSC157 21 April 2023	21 April 2023	ad	Insert section S29—5A
table to S29—5	223	F2023L01561 27 November 2023 FSC163 30 November 2023	30 November 2023	ad	Insert in table to S29—5 entries for the following substances, 3'-sialyllactose sodium salt permitted for use by Standard 1.5.2, 6'-sialyllactose sodium salt permitted for use by Standard 1.5.2, A combination of 2'-fucosyllactose and difucosyllactose, permitted for use by Standard 1.5.2, lacto-N-tetraose permitted for use by Standard 1.5.2
S29—2 through to S29—10	231	F2024L01151 13 Sept 2024 FSC171 13 Sept 2024	13 September 2024	rs	Repeal sections S29—2 to S29—10 and substitute with new S29—2 to S29—10A
S29—23	231	F2024L01151 13 Sept 2024 FSC171 13 Sept 2024	13 September 2024	ad	Insert after section s29—22 new section entry S29—23.

