

## 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 product—calculation of energy

- (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 infant formula product must be expressed in kilojoules.

### S29—3 Infant formula product—calculation of protein content

For paragraph 2.9.1—4(2)(b), the protein content (**PC**) of infant formula product must be calculated in accordance with the following equation:

$$PC = NC \times F$$

where:

**NC** is the nitrogen content of the infant formula product.

**F** is:

- (a) for milk proteins and their partial protein hydrolysates—6.38; or
- (b) otherwise—6.25.

### S29—4 Infant formula product—calculation of potential renal solute load

- (1) For paragraph 2.9.1—4(2)(c), the potential renal solute load (**PRSL**), in mOsm/100 kJ, must be calculated in accordance with the following equation:

$$PRSL = \frac{Na}{23} + \frac{Cl}{35} + \frac{K}{39} + \frac{P_{avail}}{31} + \frac{N}{28}$$

where:

**Na** is the amount of sodium in the infant formula product in mg/100 kJ.

**Cl** is the amount of chloride in the infant formula product in mg/100 kJ.

**K** is the amount of potassium in the infant formula product in mg/100 kJ.

**P<sub>avail</sub>** is given by the formula set out in subsection (2).

**N** is the amount of nitrogen in the infant formula product in mg/100 kJ.

(2) In subsection (1), **P<sub>avail</sub>** is calculated in accordance with the following equation:

$$P_{avail} = P_{mbf} + \left( \frac{2}{3} \times P_{sbf} \right)$$

where:

**P<sub>mbf</sub>** is the amount of phosphorus in the milk-based formula.

**P<sub>sbf</sub>** is the amount of phosphorus in the soy-based formula.

## S29—5 Infant formula products—substances permitted as nutritive substances

For section 2.9.1—5, the table is:

**Infant formula products—substances permitted for use as nutritive substances**

<b>Column 1</b>	<b>Column 2</b>	<b>Column 3</b>	<b>Column 4</b>
<i>Substance</i>	<i>Permitted forms</i>	<i>Minimum amount per 100 kJ</i>	<i>Maximum amount per 100 kJ</i>
Adenosine-5'-monophosphate	Adenosine-5'- monophosphate	0.14 mg	0.38 mg
L-carnitine	L-carnitine	0.21 mg	0.8 mg
Choline	Choline chloride	1.7 mg	7.1 mg
	Choline bitartrate		
Cytidine-5'-monophosphate	Cytidine-5'-monophosphate	0.22 mg	0.6 mg
Guanosine-5'-monophosphate	Guanosine-5'-monophosphate	0.04 mg	0.12 mg
	Guanosine-5'-monophosphate sodium salt		
Inosine-5'-monophosphate	Inosine-5'-monophosphate	0.08 mg	0.24 mg
	Inosine-5'-monophosphate sodium salt		
Lutein	Lutein from <i>Tagetes erecta L.</i>	1.5 µg	5 µg
Inositol	Inositol	1.0 mg	9.5 mg
Taurine	Taurine	0.8 mg	3 mg
Uridine-5'-monophosphate	Uridine-5'-monophosphate sodium salt	0.13 mg	0.42 mg

## S29—6 Infant formula products—L-amino acids that must be present in infant formula and follow-on formula

For section 2.9.1—10, the table is:

**L-amino acids that must be present in infant formula and follow-on formula**

<b>L-amino acid</b>	<b>Minimum amount per 100 kJ</b>
Histidine	10 mg
Isoleucine	21 mg
Leucine	42 mg
Lysine	30 mg
Cysteine & cysteine total	6 mg
Cysteine, cystine & methionine total	19 mg
Phenylalanine	17 mg

<i>L-amino acid</i>	<i>Minimum amount per 100 kJ</i>
Phenylalanine & tyrosine total	32 mg
Threonine	19 mg
Tryptophan	7 mg
Valine	25 mg

S29—7

**Permitted forms of vitamins, minerals and electrolytes in infant formula products, food for infants and food for special medical purposes**

For sections 2.9.1—12, 2.9.2—4, 2.9.2—5, 2.9.2—6 and 2.9.5—6, the table is:

**Permitted forms of vitamins, minerals and electrolytes in infant formula products, etc**

Vitamin, mineral or electrolyte	Permitted forms
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 <sub>2</sub> (ergocalciferol) vitamin D <sub>3</sub> (cholecalciferol) vitamin D (cholecalciferol-cholesterol)
Thiamin	thiamin hydrochloride thiamin mononitrate
Riboflavin	riboflavin riboflavin-5'-phosphate, sodium
Niacin	niacinamide (nicotinamide)
Vitamin B <sub>6</sub>	pyridoxine hydrochloride pyridoxine-5'-phosphate
Folate	folic acid
Pantothenic acid	calcium pantothenate dexpanthenol
Vitamin B <sub>12</sub>	cyanocobalamin hydroxocobalamin
Biotin	d-biotin
Vitamin E	dl- $\alpha$ -tocopherol d- $\alpha$ -tocopherol concentrate tocopherols concentrate, mixed

Vitamin, mineral or electrolyte	Permitted forms	
Vitamin K	d- $\alpha$ -tocopheryl acetate	
	dl- $\alpha$ -tocopheryl acetate	
	d- $\alpha$ -tocopheryl acid succinate	
	dl- $\alpha$ -tocopheryl succinate	
	Vitamin K <sub>1</sub> 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	
Iodine	potassium iodate	
	potassium iodide	
	sodium iodide	
Iron	ferric ammonium citrate	
	ferric pyrophosphate	
	ferrous citrate	
	ferrous fumarate	
	ferrous gluconate	
	ferrous lactate	
	ferrous succinate	
ferrous sulphate		
Magnesium	magnesium carbonate	
	magnesium chloride	
	magnesium gluconate	
	magnesium oxide	
	magnesium phosphate, dibasic	

Vitamin, mineral or electrolyte	Permitted forms
Manganese	magnesium phosphate, tribasic
	magnesium sulphate
	manganese chloride
	manganese gluconate
	manganese sulphate
	manganese carbonate
Molybdenum	manganese citrate
	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
	Selenium
sodium selenate	
sodium selenite	
Sodium	sodium bicarbonate
	sodium carbonate
	sodium chloride
	sodium chloride iodised
	sodium citrate
	sodium gluconate
	sodium hydroxide
	sodium iodide
	sodium lactate

Vitamin, mineral or electrolyte	Permitted forms
Zinc	sodium phosphate, dibasic
	sodium phosphate, monobasic
	sodium phosphate, tribasic
	sodium sulphate
	sodium tartrate
	zinc acetate
	zinc chloride
	zinc gluconate
	zinc oxide
	zinc sulphate

**S29—8**

**Infant formula products—limits on fatty acids that may be present in infant formula and follow-on formula**

For section 2.9.1—11, the table is:

**Limits on fatty acids that may be present in infant formula and follow-on formula**

<i>Fatty acid</i>	<i>Limits</i>
<i>Essential fatty acids</i>	
Linoleic acid (18:2)	no less than 9% of the total fatty acids no more than 26% of the total fatty acids
α-Linolenic acid (18:3)	no less than 1.1% of the total fatty acids no more than 4% of the total fatty acids
<i>Long chain polyunsaturated fatty acids</i>	
Long chain omega 6 series fatty acids (C> = 20)	no more than 2% of the total fatty acids
Arachidonic acid (20:4)	no more than 1% of the total fatty acids
Long chain omega 3 series fatty acids (C> = 20)	no more than 1% of the total fatty acids
Total <i>trans</i> fatty acids	no more than 4% of the total fatty acids
Erucic acid (22:1)	no more than 1% of the total fatty acids

**S29—9**

**Required vitamins, minerals and electrolytes in infant formula and follow-on formula**

For section 2.9.1—12, the table is:

**Required vitamins, minerals and electrolytes in infant formula and follow-on formula**

<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
<i>Vitamin, mineral or electrolyte</i>	<i>Minimum amount per 100 kJ</i>	<i>Maximum amount per 100 kJ</i>
<b>Vitamins</b>		
Vitamin A	14 µg	43 µg
Vitamin D	0.25 µg	0.63 µg
Vitamin C	1.7 mg	

<b>Column 1</b>	<b>Column 2</b>	<b>Column 3</b>
<i>Vitamin, mineral or electrolyte</i>	<i>Minimum amount per 100 kJ</i>	<i>Maximum amount per 100 kJ</i>
Thiamin	10 µg	
Riboflavin	14 µg	
Preformed Niacin	130 µg	
Vitamin B <sub>6</sub>	9 µg	36 µg
Folate	2 µg	
Pantothenic acid	70 µg	
Vitamin B <sub>12</sub>	0.025 µg	
Biotin	0.36 µg	
Vitamin E	0.11 mg	1.1 mg
Vitamin K	1 µg	
<b>Minerals</b>		
Calcium	12 mg	
Phosphorus	6 mg	25 mg
Magnesium	1.2 mg	4.0 mg
Iron	0.2 mg	0.5 mg
Iodine	1.2 µg	10 µg
Copper	14 µg	43 µg
Zinc	0.12 mg	0.43 mg
Manganese	0.24 µg	24.0 µg
Selenium	0.25 µg	1.19 µg
<b>Electrolytes</b>		
Chloride	12 mg	35 mg
Sodium	5 mg	15 mg
Potassium	20 mg	50 mg

## **S29—10 Guidelines for infant formula products**

*Guideline for maximum amount of vitamins and minerals in infant formula products*

- (1) It is recommended that the quantities specified in the table to this section be observed as the maximum levels of vitamins and minerals in infant formula product.

### **Guideline for maximum amount of vitamins and minerals in infant formula products**

<b>Vitamin or mineral</b>	<b>Recommended maximum amount per 100 kJ</b>
<b>Vitamins</b>	
Vitamin C	5.4 mg
Thiamin	48 µg
Riboflavin	86 µg
Preformed Niacin	480 µg
Folate	8.0 µg
Pantothenic acid	360 µg
Vitamin B <sub>12</sub>	0.17 µg

<b>Vitamin or mineral</b>	<b>Recommended maximum amount per 100 kJ</b>
Vitamin K	5.0 µg
Biotin	2.7 µg
<b>Minerals</b>	
Calcium	33 mg
Phosphorus	22 mg
Manganese	7.2 µg, for infant formula products specifically formulated to satisfy particular metabolic, immunological, renal, hepatic or malabsorptive conditions
Chromium	2.0 µg
Molybdenum	3 µg

*Guideline on advice regarding additional vitamin and mineral supplementation*

- (2) Manufacturers are recommended to provide an advice in the label on a package of infant formula product to the effect that consumption of vitamin or mineral preparations is not necessary.

*Nutrition information table*

- (3) It is recommended that the nutrition information table be set out in the format specified in the table to this section.

<b>NUTRITION INFORMATION</b>		
	Average amount per 100 mL made up formula (see Note 1)	Average amount per 100 g of powder (or per 100 mL for liquid concentrate) (see Note 2)
Energy	kJ	kJ
Protein	g	g
Fat	g	g
Carbohydrate	g	g
Vitamin A	µg	µg
Vitamin B <sub>6</sub>	µg	µg
Vitamin B <sub>12</sub>	µg	µg
Vitamin C	mg	mg
Vitamin D	µg	µg
Vitamin E	µg	µg
Vitamin K	µg	µg
Biotin	µg	µg
Niacin	mg	mg
Folate	µg	µg
Pantothenic acid	µg	µg
Riboflavin	µg	µg
Thiamin	µg	µg
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
(insert any other substance used as a nutritive substance or inulin-type fructans and galacto-oligosaccharides to be declared)	g, mg, µg	g, mg, µg

**Note 1** Delete the words 'made up formula' in the case of formulas sold in 'ready to drink' form.

**Note 2** Delete this column in the case of formulas sold in 'ready to drink' form.

## 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 <sub>6</sub> (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**

<b>Column 1</b>	<b>Column 2</b>	<b>Column 3</b>
<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 <sub>6</sub>	No amount set	0.8 mg (50%)
Vitamin B <sub>12</sub>	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%)
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**

<b>Column 1</b>	<b>Column 2</b>	<b>Column 3</b>
<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

<b>Column 1</b>	<b>Column 2</b>	<b>Column 3</b>
<i>Vitamin or mineral</i>	<i>Maximum amount</i>	<i>Maximum claim</i>
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

<b>Column 1</b>	<b>Column 2</b>	<b>Column 3</b>
<i>Vitamin or mineral</i>	<i>Maximum amount</i>	<i>Maximum claim</i>
<b>Vitamins</b>		
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 <sub>6</sub>	No amount set	0.8 mg (50%)
Vitamin B <sub>12</sub>	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%)
<b>Minerals</b>		
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**

<b>Column 1</b>	<b>Column 2</b>	<b>Column 3</b>
<i>Vitamin or mineral</i>	<i>Maximum amount (as percentage of RDI)</i>	<i>Maximum claim (as percentage of RDI)</i>
<b>Vitamins</b>		
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 <sub>6</sub>	No amount set	0.35 mg (50%)
Vitamin B <sub>12</sub>	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%)
<b>Minerals</b>		
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%)

**S29—16**

**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**

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

<b>Column 1</b>	<b>Column 2</b>	<b>Column 3</b>
<i>Vitamin or mineral</i>	<i>Maximum amount</i>	<i>Maximum claim</i>
Pantothenic acid		3.5 mg
<b>Minerals</b>		
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

S29—17

**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**

<b>Column 1</b>	<b>Column 2</b>
<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

<b>Column 1</b>	<b>Column 2</b>
<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**

<b>Column 1</b>	<b>Column 2</b>
<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

<b>Column 1</b>	<b>Column 2</b>
<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**

<b>Column 1</b>	<b>Column 2</b>
<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**

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

<b>Column 1</b>	<b>Column 2</b>
<i>Substance</i>	<i>Permitted forms</i>
Pantothenic acid	Sodium pantothenate D-panthenol DL-panthenol
<b>Minerals and electrolytes</b>	
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

<b>Column 1</b>	<b>Column 2</b>
<i>Substance</i>	<i>Permitted forms</i>
	Magnesium hydroxide carbonate
	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
<b>Other substances</b>	
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

<b>Column 1</b>	<b>Column 2</b>
<i>Substance</i>	<i>Permitted forms</i>
	L-proline
	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**

<b>Column 1</b>	<b>Column 2</b>	<b>Column 3</b>
<i>Nutrient</i>	<i>Minimum amount per MJ</i>	<i>Maximum amount per MJ</i>
<b>Vitamins</b>		
Vitamin A	84 µg retinol equivalents <sup>1</sup>	430 µg retinol equivalents <sup>1</sup>

<b>Column 1</b>	<b>Column 2</b>	<b>Column 3</b>
<i>Nutrient</i>	<i>Minimum amount per MJ</i>	<i>Maximum amount per MJ</i>
Thiamin	0.15 mg	No maximum set
Riboflavin	0.2 mg	No maximum set
Niacin	2.2 mg niacin equivalents <sup>2</sup>	No maximum set
Vitamin B <sub>6</sub>	0.2 mg	1.2 mg
Folate	25 µg	No maximum set
Vitamin B <sub>12</sub>	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 <sup>3</sup>	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
<b>Minerals</b>		
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
<b>Electrolytes</b>		
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).

## Amendment History

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

These amendments are made under section 92 of the *Food Standards Australia New Zealand Act 1991* unless otherwise indicated. Amendments do not have a specific date for cessation unless indicated as such.

### About this compilation

This is compilation No. 6 of Schedule 29 as in force on **25 July 2019** (up to Amendment No. 186). It includes any commenced amendment affecting the compilation to that date.

Prepared by Food Standards Australia New Zealand on **1 August 2019**

### Uncommenced amendments or provisions ceasing to have effect

To assist stakeholders, the effect of any uncommenced amendments or provisions which will cease to have effect, may be reflected in the Schedule as shaded boxed text with the relevant commencement or cessation date. These amendments will be reflected in a compilation registered on the Federal Register of Legislation including or omitting those amendments and provided in the Amendment History once the date is passed.

The following abbreviations may be used in the table below:

ad = added or inserted  
exp = expired or ceased to have effect  
rs = repealed and substituted  
am = amended  
rep = repealed

**Schedule 29** was published in the Food Standards Gazette No. FSC96 on 10 April 2015 as part of Amendment 154 (F2015L00463 — 1 April 2015) and has since been amended as follows:

Section affected	A'ment No.	FRL registration Gazette	Commencement (Cessation)	How affected	Description of amendment
table to S29—7	172	F2017L01142 6 Sept 2017 FSC114 7 Sept 2017	7 Sept 2017	am	Omit 'phytylmenoquinone' from table.
S29—10(3)	157	F2015L01374 1 Sept 2015 FSC99 3 Sept 2015	1 March 2016	rs	Subsection and related table.
table to S29—17	161	F2016L00120 18 Feb 2016 FSC103 22 Feb 2016	1 March 2016	am	Correction of typographical error in table heading.
table to S29—20	168	F2017L00414 11 April 2017 FSC110 13 April 2017	13 April 2017	am	Insertion of a sodium fluoride as a permitted form of fluoride which was inadvertently omitted in FSC96.

Section affected	A'ment No.	FRL registration Gazette	Commencement (Cessation)	How affected	Description of amendment
table to S29—20	173	F2017L01176 13 Sept 2017 FSANZ Notification Circular 24-17 (Urgent Proposal) 14 Sept 2017	14 Sept 2017	am	Omit L-arginine and substituting L-arginine and L-arginine acetate as a permitted form of Amino acids.
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