Food Standards (Proposal P1025 – Code Revision) Variation

The Board of Food Standards Australia New Zealand gives notice of the making of this standard under section 92 of the *Food Standards Australia New Zealand Act 1991*. The Standard commences on 1 March 2016.

Dated 25 March 2015

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

Note:

This Standard will be published in the Commonwealth of Australia Gazette No. FSC 96 on 10 April 2015.

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_{avail} 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_{avail} is calculated in accordance with the following equation:

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

where:

P_{mbf} is the amount of phosphorus in the milk-based formula.

P_{sbf} 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

Column 1	***Column 2***	***Column 3***	***Column 4***
Substance	*Permitted forms*	*Minimum amount per 100 kJ*	*Maximum amount per 100 kJ*
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 *Tagetes erecta L.*	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

L-amino acid	***Minimum amount per 100 kJ***
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

L-amino acid	*Minimum amount per 100 kJ*
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	
Retinol forms	vitamin A (retinol)
	vitamin A acetate (retinyl acetate)
	vitamin A palmitate (retinyl palmitate)
	retinyl propionate
Provitamin A forms	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
Vitamin B_{12}	cyanocobalamin
	hydroxocobalamin
Biotin	d-biotin
Vitamin E	dl-α-tocopherol
	d-α-tocopherol concentrate
	tocopherols concentrate, mixed

Vitamin, mineral or electrolyte	*Permitted forms*
	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)
	phytylmenoquinone
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

Vitamin, mineral or electrolyte	*Permitted forms*
	magnesium phosphate, dibasic
	magnesium phosphate, tribasic
	magnesium sulphate
Manganese	manganese chloride
	manganese gluconate
	manganese sulphate
	manganese carbonate
	manganese citrate
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
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

Vitamin, mineral or electrolyte	*Permitted forms*
	sodium lactate
	sodium phosphate, dibasic
	sodium phosphate, monobasic
	sodium phosphate, tribasic
	sodium sulphate
	sodium tartrate
Zinc	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

Fatty acid	*Limits*
Essential fatty acids	
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
Long chain polyunsaturated fatty acids	
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 *trans* 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

Column 1	*Column 2*	*Column 3*
Vitamin, mineral or electrolyte	*Minimum amount per 100 kJ*	*Maximum amount per 100 kJ*
Vitamins		
Vitamin A	14 µg	43 µg
Vitamin D	0.25 µg	0.63 µg

Column 1	*Column 2*	*Column 3*
Vitamin, mineral or electrolyte	*Minimum amount per 100 kJ*	*Maximum amount per 100 kJ*
Vitamin C	1.7 mg	
Thiamin	10 µg	
Riboflavin	14 µg	
Preformed Niacin	130 µg	
Vitamin B_6	9 µg	36 µg
Folate	2 µg	
Pantothenic acid	70 µg	
Vitamin B_{12}	0.025 µg	
Biotin	0.36 µg	
Vitamin E	0.11 mg	1.1 mg
Vitamin K	1 µg	
Minerals		
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
Electrolytes		
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

Vitamin or mineral	*Recommended maximum amount per 100 kJ*
Vitamins	
Vitamin C	5.4 mg
Thiamin	48 µg
Riboflavin	86 µg
Preformed Niacin	480 µg
Folate	8.0 µg

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Vitamin or mineral	*Recommended maximum amount per 100 kJ*
Pantothenic acid	360 µg
Vitamin B_{12}	0.17 µg
Vitamin K	5.0 µg
Biotin	2.7 µg
Minerals	
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.

NUTRITION INFORMATION PANEL		
	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	Mg
Vitamin B_6	µg	Mg
Vitamin B_{12}	µg	Mg
Vitamin C	Mg	Mg
Vitamin D	µg	Mg
Vitamin E	µg	Mg
Vitamin K	µg	Mg
Biotin	µg	Mg
Niacin	Mg	Mg
Folate	µg	Mg
Pantothenic acid	µg	Mg
Riboflavin	µg	Mg

Thiamin	µg	Mg
Calcium	Mg	Mg
Copper	µg	Mg
Iodine	µg	Mg
Iron	Mg	Mg
Magnesium	Mg	Mg
Manganese	µg	Mg
Phosphorus	Mg	Mg
Selenium	µg	Mg
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

Vitamin or mineral	***Maximum claim per serve***
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

Column 1	*Column 2*	*Column 3*
Vitamin or mineral	*Maximum amount*	*Maximum claim*
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%)
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*
Vitamin or mineral	*Maximum amount*	*Maximum claim*
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:		
inorganic	34 µg (17%)	34 µg (17%)
organic	16 µg (8%)	no claim permitted
Copper:		
inorganic	0.50 mg (17%)	0.50 mg (17%)
organic	0.24 mg (8%)	no claim permitted
Manganese:		
inorganic	0.85 mg (17%)	0.85 mg (17%)
organic	0.4 mg (8%)	no claim permitted

Column 1	*Column 2*	*Column 3*
Vitamin or mineral	*Maximum amount*	*Maximum claim*
Molybdenum:		
inorganic	42.5 µg (17%)	42.5 µg (17%)
organic	20 µg (8%)	no claim permitted
Selenium:		
inorganic	17.5 µg (25% RDI)	17.5 µg (25% RDI)
organic	9 µg (13% RDI)	9 µg (13% RDI)

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

(1) For section 2.9.3—5, 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

Column 1	*Column 2*	*Column 3*
Vitamin or mineral	*Maximum amount*	*Maximum claim*
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*
Vitamin or mineral	*Maximum amount (as percentage of RDI)*	*Maximum claim (as percentage of RDI)*
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%)

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

Column 1	*Column 2*	*Column 3*
Vitamin or mineral	*Maximum amount*	*Maximum claim*
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***
Vitamin or mineral	*Maximum amount*	*Maximum claim*
Pantothenic acid		3.5 mg
Minerals		
Calcium		1 600 mg
Chromium		
inorganic forms	100 µg	100 µg
organic forms	50 µg	50 µg
Copper		
inorganic forms	1.5 mg	1.5 mg
organic forms	750 µg	750 µg
Iodine	75 µg	75 µg
Iron		12 mg
Magnesium		640 mg
Manganese		
inorganic forms		2.5 mg
organic forms		1.25 mg
Molybdenum		
inorganic forms		125 µg
organic forms		62.5 µg
Phosphorus		1 000 mg
Selenium		
inorganic forms	52 µg	52 µg
organic forms	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 and intake amounts

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

Column 1	***Column 2***
Vitamin or mineral	*Permitted forms*
Copper	
inorganic forms:	Cupric carbonate
	Cupric sulphate
organic forms:	Copper gluconate
	Copper-lysine complex
	Cupric citrate
Magnesium	Magnesium citrate
	Magnesium hydroxide
Manganese	
inorganic forms:	Manganese carbonate
	Manganese chloride
	Manganese sulphate
organic forms:	Manganese citrate
Molybdenum	
inorganic forms:	Sodium molybdate
organic forms:	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***
Amino acid	*Maximum amount that may be added to a one-day quantity*
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*
Amino acid	*Maximum amount that may be added to a one-day quantity*
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*
Substance	*Maximum amount that may be added to a one-day quantity*
L-carnitine	100 mg
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*
Substance	*Permitted forms*
Vitamins	
Niacin	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***
Substance	*Permitted forms*
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
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***
Substance	*Permitted forms*
	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-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*
Substance	*Permitted forms*
	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*
Nutrient	*Minimum amount per mJ*	*Maximum amount per mJ*
Vitamins		
Vitamin A	84 µg retinol equivalents[1]	430 µg retinol equivalents[1]
Thiamin	0.15 mg	No maximum set

Column 1	***Column 2***	***Column 3***
Nutrient	*Minimum amount per mJ*	*Maximum amount per mJ*
Riboflavin	0.2 mg	No maximum set
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 equivalents	1 mg alpha-tocopherol[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)(d)