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 17 Vitamins and minerals

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.

Use of vitamins and minerals is regulated by several standards, including Standard 1.1.1 and Standard 1.3.2. This Standard:

- lists foods and amounts for the definition of ***reference quantity*** in section 1.1.2—2; and
- contains permissions to use vitamins and minerals as nutritive substances for section 1.3.2—3; and
- lists permitted forms of vitamins and minerals for subparagraph 2.9.3—3(2)(c)(i), paragraph 2.9.3—5(2)(c), paragraph 2.9.3—7(2)(c) and sub-subparagraph 2.9.4—3(1)(a)(ii)(A), as well as permitted forms of calcium for paragraph 2.10.3—3(b); and
- lists vitamins and minerals for the definition of ***claimable vitamin or mineral*** in subsection 2.9.3—6(6) and subsection 2.9.3—8(7).

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.

S17—1 Name

This Standard is *Australia New Zealand Food Standards Code* – Schedule 17 – Vitamins and minerals.

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.

S17—2 Permitted forms of vitamins

Permitted forms of vitamins

Vitamin	***Permitted form***
Vitamin A	
Retinol forms	Vitamin A (retinol)
	Vitamin A acetate (retinyl acetate)
	Vitamin A palmitate (retinyl palmitate)
	Vitamin A propionate (retinyl propionate)
Provitamin A forms	beta-apo-8′-carotenal
	beta-carotene-synthetic
	carotenes-natural
	beta-apo-8′-carotenoic acid ethyl ester
Thiamin (Vitamin B_1)	Thiamin hydrochloride
	Thiamin mononitrate
	Thiamin monophosphate
Riboflavin (Vitamin B_2)	Riboflavin
	Riboflavin-5′-phosphate sodium
Niacin	Niacinamide (nicotinamide)
	Nicotinic acid
Folate	Folic acid
	L-methyltetrahydrofolate, calcium
Vitamin B_6	Pyridoxine hydrochloride
Vitamin B_{12}	Cyanocobalamin
	Hydroxocobalamin

Vitamin	*Permitted form*
Pantothenic acid	Calcium pantothenate
	Dexpanthenol
Vitamin C	L-ascorbic acid
	Ascorbyl palmitate
	Calcium ascorbate
	Potassium ascorbate
	Sodium ascorbate
Vitamin D	Vitamin D_2 (ergocalciferol)
	Vitamin D_3 (cholecalciferol)
Vitamin E	dl-alpha-tocopherol
	d-alpha-tocopherol concentrate
	Tocopherols concentrate, mixed
	d-alpha-tocopheryl acetate
	dl-alpha-tocopheryl acetate
	d-alpha-tocopheryl acetate concentrate
	d-alpha-tocopheryl acid succinate

S17—3 Permitted forms of minerals

For section 1.3.2—3(a), subparagraph 2.9.3—3(2)(c)(i), paragraph 2.9.3—5(2)(c), paragraph 2.9.3—7(2)(c), sub-subparagraph 2.9.4—3(1)(a)(ii)(A), and paragraph 2.10.3—3(b), the permitted forms of minerals are:

Permitted forms of minerals

Mineral	*Permitted form*
Calcium	Calcium carbonate
	Calcium chloride
	Calcium chloride, anhydrous
	Calcium chloride solution
	Calcium citrate
	Calcium gluconate
	Calcium glycerophosphate
	Calcium lactate
	Calcium oxide
	Calcium phosphate, dibasic
	Calcium phosphate, monobasic
	Calcium phosphate, tribasic
	Calcium sodium lactate
	Calcium sulphate
Iron	Ferric ammonium citrate, brown or green
	Ferric ammonium phosphate
	Ferric citrate
	Ferric hydroxide

Mineral	*Permitted form*
	Ferric phosphate
	Ferric pyrophosphate
	Ferric sodium edetate (other than for breakfast cereals as purchased or formulated supplementary food for young children)
	Ferric sulphate (iron III sulphate)
	Ferrous carbonate
	Ferrous citrate
	Ferrous fumarate
	Ferrous gluconate
	Ferrous lactate
	Ferrous succinate
Iron	Ferrous sulphate (iron II sulphate)
	Ferrous sulphate, dried
	Iron, reduced (ferrum reductum)
Iodine	Potassium iodate
	Potassium iodide
	Sodium iodate
	Sodium iodide
Magnesium	Magnesium carbonate
	Magnesium chloride
	Magnesium gluconate
	Magnesium oxide
	Magnesium phosphate, dibasic
	Magnesium phosphate, tribasic
	Magnesium sulphate
Phosphorus	Calcium phosphate, dibasic
	Calcium phosphate, monobasic
	Calcium phosphate, tribasic
	Bone phosphate
	Magnesium phosphate, dibasic
	Magnesium phosphate, tribasic
	Calcium glycerophosphate
	Potassium glycerophosphate
	Phosphoric acid
	Potassium phosphate, dibasic
	Potassium phosphate, monobasic
	Sodium phosphate, dibasic
Selenium	Seleno methionine
	Sodium selenate
	Sodium selenite
Zinc	Zinc acetate

Mineral	*Permitted form*
	Zinc chloride
	Zinc gluconate
	Zinc lactate
	Zinc oxide
	Zinc sulphate

S17—4 Permitted uses of vitamins and minerals

For sections 1.3.2—3 and 1.3.2—4, the foods are listed in the table:

Permitted uses of vitamins and minerals

Vitamin or mineral	*Maximum claim per reference quantity (maximum percentage RDI claim)*	*Maximum permitted amount per reference quantity*
Cereals and cereal products		
Biscuits containing not more than 200 g/kg fat and not more than 50 g/kg sugars *Reference quantity—35 g*		
Thiamin	0.55 mg (50%)	
Riboflavin	0.43 mg (25%)	
Niacin	2.5 mg (25%)	
Vitamin B_6	0.4 mg (25%)	
Vitamin E	2.5 mg (25%)	
Folate	100 µg (50%)	
Calcium	200 mg (25%)	
Iron	3.0 mg (25%)	
Magnesium	80 mg (25%)	
Zinc	1.8 mg (15%)	
Bread *Reference quantity—50 g*		
Thiamin	0.55 mg (50%)	
Riboflavin	0.43 mg (25%)	
Niacin	2.5 mg (25%)	
Vitamin B_6	0.4 mg (25%)	
Vitamin E	2.5 mg (25%)	
Iron	3.0 mg (25%)	
Magnesium	80 mg (25%)	
Zinc	1.8 mg (15%)	
Folate	(a) bread that contains no wheat flour—100 µg (50%); (b) other foods—0	
Breakfast cereals, as purchased *Reference quantity—a normal serving*		
Provitamin A forms of Vitamin A	200 µg (25%)	
Thiamin	0.55 mg (50%)	

Vitamin or mineral	*Maximum claim per reference quantity (maximum percentage RDI claim)*	*Maximum permitted amount per reference quantity*
Riboflavin	0.43 mg (25%)	
Niacin	2.5 mg (25%)	
Vitamin B_6	0.4 mg (25%)	
Vitamin C	10 mg (25%)	
Vitamin E	2.5 mg (25%)	
Folate	100 µg (50%)	
Calcium	200 mg (25%)	
Iron – except ferric sodium edetate	3.0 mg (25%)	
Magnesium	80 mg (25%)	
Zinc	1.8 mg (15%)	
Cereal flours *Reference quantity—35 g*		
Thiamin	0.55 mg (50%)	
Riboflavin	0.43 mg (25%)	
Niacin	2.5 mg (25%)	
Vitamin B_6	0.4 mg (25%)	
Vitamin E	2.5 mg (25%)	
Folate	100 µg (50%)	
Iron	3.0 mg (25%)	
Magnesium	80 mg (25%)	
Zinc	1.8 mg (15%)	
Pasta *Reference quantity—the amount that is equivalent to 35 g of uncooked dried pasta*		
Thiamin	0.55 mg (50%)	
Riboflavin	0.43 mg (25%)	
Niacin	2.5 mg (25%)	
Vitamin B_6	0.4 mg (25%)	
Vitamin E	2.5 mg (25%)	
Folate	100 µg (50%)	
Iron	3.0 mg (25%)	
Magnesium	80 mg (25%)	
Zinc	1.8 mg (15%)	
Dairy products		
Dried milks *Reference quantity—200 mL*		
Vitamin A	110 µg (15%)	125 µg
Riboflavin	0.4 mg (25%)	
Vitamin D	2.5 µg (25%)	3.0 µg
Calcium	400 mg (50%)	

Vitamin or mineral	*Maximum claim per reference quantity (maximum percentage RDI claim)*	*Maximum permitted amount per reference quantity*
Modified milks and skim milk *Reference quantity—200 mL*		
Vitamin A	110 µg (15%)	125 µg
Vitamin D	1.0 µg (10%)	1.6 µg
Calcium	400 mg (50%)	
Cheese and cheese products *Reference quantity—25 g*		
Vitamin A	110 µg (15%)	125 µg
Calcium	200 mg (25%)	
Phosphorus	150 mg (15%)	
Vitamin D	1.0 µg (10%)	1.6 µg
Yoghurts (with or without other foods) *Reference quantity—150 g*		
Vitamin A	110 µg (15%)	125 µg
Vitamin D	1.0 µg (10%)	1.6 µg
Calcium	320 mg (40%)	
Dairy desserts containing no less than 3.1% m/m milk protein *Reference quantity—150 g*		
Vitamin A	110 µg (15%)	125 µg
Vitamin D	1.0 µg (10%)	1.6 µg
Calcium	320 mg (40%)	
Ice cream and ice confections containing no less than 3.1% m/m milk protein *Reference quantity—75 g*		
Calcium	200 mg (25%)	
Cream and cream products containing no more than 40% m/m milkfat *Reference quantity—30 mL*		
Vitamin A	110 µg (15%)	125 µg
Butter *Reference quantity—10 g*		
Vitamin A	110 µg (15%)	125 µg
Vitamin D	1.0 µg (10%)	1.6 µg
Edible oils and spreads		
Edible oil spreads and margarine *Reference quantity—10 g*		
Vitamin A	110 µg (15%)	125 µg
Vitamin D	1.0 µg (10%)	1.6 µg
Vitamin E	(a) edible oil spreads and margarine containing no more than 28% total *saturated fatty acids and trans fatty acids—3.5 mg (35%); (b) other foods—0	

Vitamin or mineral	*Maximum claim per reference quantity (maximum percentage RDI claim)*	*Maximum permitted amount per reference quantity*
Edible oils *Reference quantity—10 g*		
Vitamin E	(a) sunflower oil and safflower oil—7.0 mg (70%); (b) other edible oils containing no more than 28% total *saturated fatty acids and trans fatty acids—3.0 mg (30%)	
Extracts		
Extracts of meat, vegetables or yeast (including modified yeast) and foods containing no less than 800 g/kg of extracts of meat, vegetables or yeast (including modified yeast) *Reference quantity—5 g*		
Thiamin	0.55 mg (50%)	
Riboflavin	0.43 mg (25%)	
Niacin	2.5 mg (25%)	
Vitamin B_6	0.4 mg (25%)	
Vitamin B_{12}	0.5 µg (25%)	
Folate	100 µg (50%)	
Iron	1.8 mg (15%)	
Fruit juice, vegetable juice, fruit drink and fruit cordial		
All fruit juice and concentrated fruit juice (including tomato juice) *Reference quantity—200 mL*		
Calcium	200 mg (25%)	
Folate	100 µg (50%)	
Vitamin C	(a) blackcurrant juice—500 mg (12.5 times) (b) guava juice—400 mg (10 times) (c) other juice—120 mg (3 times)	
Provitamin A forms of Vitamin A	(a) mango juice—800 µg (1.1 times) (b) pawpaw juice—300 µg (40%) (c) other juice—200 µg (25%)	
Vegetable juice (including tomato juice) *Reference quantity—200 mL*		
Vitamin C	60 mg (1.5 times)	
Provitamin A forms of Vitamin A	200 µg (25%)	
Folate	100 µg (50%)	
Calcium	200 mg (25%)	
Fruit drinks, vegetable drinks and fruit and vegetable drinks containing at least 250 mL/L of the juice, purée or comminution of the fruit or vegetable or both; fruit drink, vegetable drink or fruit and vegetable drink concentrate which contains in a reference quantity at least 250 mL/L of the juice, purée or comminution of the fruit or vegetable, or both *Reference quantity—200 mL*		
Folate	refer to section 1.3.2—5	
Vitamin C	refer to section 1.3.2—5	
Provitamin A forms of vitamin A	refer to section 1.3.2—5	

Vitamin or mineral	*Maximum claim per reference quantity (maximum percentage RDI claim)*	*Maximum permitted amount per reference quantity*
Calcium	200 mg (25%)	
Fruit cordial, fruit cordial base *Reference quantity—200 mL*		
Vitamin C	refer to section 1.3.2—5	
Analogues derived from legumes		
Beverages containing no less than 3% m/m protein derived from legumes *Reference quantity—200 mL*		
Vitamin A	110 µg (15%)	125 µg
Thiamin	no claim permitted	0.10 mg
Riboflavin	0.43 mg (25%)	
Vitamin B_6	no claim permitted	0.12 mg
Vitamin B_{12}	0.8 µg (40%)	
Vitamin D	1.0 µg (10%)	1.6 µg
Folate	no claim permitted	12 µg
Calcium	240 mg (30%)	
Magnesium	no claim permitted	22 mg
Phosphorus	200 mg (20%)	
Zinc	no claim permitted	0.8 mg
Iodine	15 µg (10%)	
Analogues of meat, where no less than 12% of the energy value of the food is derived from protein, and the food contains 5 g protein per serve of the food *Reference quantity—100 g*		
Thiamin	0.16 mg (15%)	
Riboflavin	0.26 mg (15%)	
Niacin	5.0 mg (50%)	
Vitamin B_6	0.5 mg (30%)	
Vitamin B_{12}	2.0 µg (100%)	
Folate	no claim permitted	10 µg
Iron	3.5 mg (30%)	
Magnesium	no claim permitted	26 mg
Zinc	4.4 mg (35%)	
Analogues of yoghurt and dairy desserts containing no less than 3.1% m/m protein derived from legumes *Reference quantity—150 g*		
Vitamin A	110 µg (15%)	125 µg
Thiamin	no claim permitted	0.08 mg
Riboflavin	0.43 mg (25%)	
Vitamin B_6	no claim permitted	0.11 mg
Vitamin B_{12}	0.3 µg (15%)	
Vitamin D	1.0 µg (10%)	1.6 µg
Folate	20 µg (10%)	
Calcium	320 mg (40%)	

Vitamin or mineral	*Maximum claim per reference quantity (maximum percentage RDI claim)*	*Maximum permitted amount per reference quantity*
Magnesium	no claim permitted	22 mg
Phosphorus	200 mg (20%)	
Zinc	no claim permitted	0.7 mg
Iodine	15 µg (10%)	
Analogues of ice cream containing no less than 3.1% m/m protein derived from legumes *Reference quantity—75 g*		
Vitamin A	110 µg (15%)	125 µg
Riboflavin	0.26 mg (15%)	
Vitamin B_{12}	0.2 µg (10%)	
Calcium	200 mg (25%)	
Phosphorus	no claim permitted	80 mg
Analogues of cheese containing no less than 15% m/m protein derived from legumes *Reference quantity—25 g*		
Vitamin A	110 µg (15%)	125 µg
Riboflavin	0.17 mg (10%)	
Vitamin B_{12}	0.3 µg (15%)	
Vitamin D	1.0 µg (10%)	1.6 µg
Calcium	200 mg (25%)	
Phosphorus	150 mg (15%)	
Zinc	no claim permitted	1.0 mg
Iodine	no claim permitted	10 µg
Composite products		
Soups, prepared for consumption in accordance with directions *Reference quantity—200 mL*		
Calcium	200 mg (25%)	
Analogues derived from cereals		
Beverages containing no less than 0.3% m/m protein derived from cereals *Reference quantity—200 mL*		
Vitamin A	110 µg (15%)	125 µg
Thiamin	no claim permitted	0.10 mg
Riboflavin	0.43 mg (25%)	
Vitamin B_6	no claim permitted	0.12 mg
Vitamin B_{12}	0.8 µg (40%)	
Vitamin D	1.0 µg (10%)	1.6 µg
Folate	no claim permitted	12 µg
Calcium	240 mg (30%)	
Magnesium	no claim permitted	22 mg
Phosphorus	200 mg (20%)	
Zinc	no claim permitted	0.8 mg
Iodine	15 µg (10%)	

Vitamin or mineral	*Maximum claim per reference quantity (maximum percentage RDI claim)*	*Maximum permitted amount per reference quantity*
Formulated beverages		
Formulated beverages *Reference quantity—600 mL*		
Folate	50 µg (25%)	
Vitamin C	40 mg (100%)	
Provitamin A forms of Vitamin A	200 µg (25%)	
Niacin	2.5 mg (25%)	
Thiamin	0.28 mg (25%)	
Riboflavin	0.43 mg (25%)	
Calcium	200 mg (25%)	
Iron	3.0 mg (25%)	
Magnesium	80 mg (25%)	
Vitamin B_6	0.4 mg (25%)	
Vitamin B_{12}	0.5 µg (25%)	
Vitamin D	2.5 µg (25%)	
Vitamin E	2.5 mg (25%)	
Iodine	38 µg (25%)	
Pantothenic acid	1.3 mg (25%)	
Selenium	17.5 µg (25%)	