

PRODUCT OF AUSTRALIA INFANT BASE POWDER

STAGE 1

(FSANZ compliant)

Offered by **tavi&co**
on behalf of manufacturer

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Company and Storage Information

Product & Company information

The product vendor is an Australian based manufacturer of consumer infant formula.

The product has been blended and manufactured by a reputable Australian Stock Exchange-listed manufacturer based in Victoria, Australia with HAACP, ISO, QMS, GMP and ICCV Halal certifications and applicable licenses for export.

Due to these ingredients being surplus to requirement, the product is offered for sale.

The Base powder is a product of Australia, using high quality European and Australian materials.

The below product is prepared to FSANZ standard, which is suitable for multiple markets.

Storage information

- Product is shrink wrapped stored on standard CHET Export Pallets.
- 82 x 650kg (more or less) double-lined, gas flushed sealed bags.



Product Information Sheet

1 Product Name

Stage 1 – Product of Australia Infant Base Powder.

2 Functional Purpose

This product is a base powder that may be used as is or blended with other ingredients. It is generally for use in products for infants from birth up to 6 months of ages. It is for use into multiple markets.

3 Regulatory Statements

3.1 GMO

The products do not contain ingredients or technological aids wholly or partially composed of materials produced by genetic modification or recombinant DNA technology or containing materials derived from such products, in accordance with FSANZ 1.5.2.

3.2 Ionising Ray

The products and their ingredients were not subjected to ionising rays.

3.1 Allergens

The product contains Milk and Milk Products¹, and Soy beans and their products.

3.2 Country of Origin

Made in Australia from imported and, at least, 45% Australian ingredients.

4 Ingredients

Milk Solids (Lactose, Goat Full Cream milk powder, Goat Whey Protein powder), Vegetable Oil (Palm Olein, Canola, Soyabean, Sunflower, Coconut, Hi Oleic Sunflower, Emulsifier[Lecithin (Soy)]), Acidity Regulator (Potassium hydroxide and or Sodium hydroxide, Sodium citrate), Minerals (Calcium Carbonate, Trisodium Citrate, Magnesium Phosphate Dibasic, Ferric Pyrophosphate, Manganese Sulphate, Zinc Oxide, Copper Gluconate, Sodium Selenite, Potassium Iodide), Vitamins (Sodium Ascorbate, Vitamin E, Vitamin A Acetate, Niacinamide, Calcium Pantothenate, Vitamin D3, Vitamin B12, Phytonadione, Riboflavin, Thiamine Hydrochloride, Pyridoxine Hydrochloride, Folic Acid, d- Biotin), Choline Bitartrate, L-Tryptophan, Inositol, Taurine, L-carnitine, Lutein

¹ For labelling notification requirements of target markets no differentiation is made for bovine or caprine milk. The product is using bovine lactose. As such no claim is made on absence of bovine protein

5 Formulation

An approximate formulation is shown below. Minor variations to the formulation may be necessary to account for seasonal and/or production changes.

Ingredient	g/100 g	Nature	Origin
Neutraceutical Lactose	40 - 50	From cow's milk	Australia
Goat - Full Cream Milk Powder	15 - 25	From goat's milk	Netherlands
Vegetable Oil Blend	15 - 25		Australia from imported and local oils
Goat - WPC55	5 - 15	From goat's milk. May be sweet or acid whey	Netherlands
Sodium Hydroxide or Potassium Hydroxide and Trisodium Citrate	0 - 2	Processing aid. NaOH used with acid whey and KOH and Trisodium Citrate used with sweet whey	
Mineral Premix Stage 1	<1		Singapore from imported ingredients
Vitamin Premix Stage 1	<1		Singapore from imported ingredients
Calcium Carbonate	<0.5		Imported

6 Base Powder Specification

6.1 Physical Specification

Description	Specification	Method
pH of solution (at 10%)	6.8 – 7.2	pH meter
Scorched particles per 100g	A	IDF 107A/ADPI Bulletin 916
Appearance/colour	Light creamy white free flowing powder	DTS FLOD 01.01 95
Flavour and Odour	Good	DTS FLOD 01.01 95
Bulk density (100 taps)	0.48 - 0.52	IDF 134
Oxygen	<3% ²	Residual Oxygen meter

²At time of packing. As a guide the residual oxygen level should not exceed 8% for the duration of shelf life.

6.2 Chemical Specification

	Per 100 g	Min	Max	DTS Method Ref.
Protein (TN x 6.38)	g	11.2	12.6	PROT 01 02.01
Fat	g	27.0	29.2	FATS 01 12.99
Linoleic Acid	g	4.5	5.6	FAME 02 11.03
alpha Linolenic Acid	g	0.7	0.9	FAME 02 11.03
LA:ALA		5	15	Calculation
Carbohydrate	g	51.2	58.6	Calculation
Ash	g	2.00	4.00	ASHS 01 04.93
Moisture	g	1.20	3.00	MOIS 01 12.99
Vitamins				
Vitamin A	IU	1315	2952	VITA 12 05.07
Vitamin B1	mg	0.49	0.92	VITB 01 12.08
Vitamin B2	mg	0.65	1.5	VITB 01 12.08
Niacin	mg	4	7.3	VITB 01 12.08
Folate	µg	66	164	FOLA 04 08.08
Vitamin B6	mg	0.34	0.64	VITB 01 12.08
Vitamin B12	µg	1.3	3	VIB12 01 05.07
Vitamin C	mg	56	112	VITC 03 06.94
Vitamin D	IU	345	500	VITD 05 01.15
Vitamin E	mgTE	10	20	VITE 05 05.07
Vitamin K	µg	35	66	VITK 01 05.07
Pantothenic Acid	mg	3.3	6.2	VIB5 01 05.07
Biotin	µg	13.8	32	VIB7 01 05.07
Minerals				
Sodium	mg	180	270	MICP 01 04.06
Potassium	mg	555	740	MICP 01 04.06
Calcium	mg	400	560	MICP 01 04.06
Iodine	µg	75	150	IODI 01 04.93
Iron	mg	5.7	7.4	MICP 01 04.06
Magnesium	mg	36	63	MICP 01 04.06
Phosphorus	mg	250	375	MICP 01 04.06
Zinc	mg	3.6	5.4	MICP 01 04.06
Manganese	µg	72	108	MICP 01 04.06
Copper	µg	400	495	MICP 01 04.06
Chloride	mg	300	470	SAL 07 08.07
Selenium	µg	14.3	22	ICPM010611
Ca:P		1.2	2.0	Calculation
Other Nutrients				
Choline	mg	57	86	CHLN 04 05.07
Taurine	mg	28	45	TAUR 01 06.07
L-Carnitine	mg	9	16	CARN 01 07.11
Inositol	mg	30	62	INOS 02 03.14
Lutein	mcg	45	90	LUTE010616

6.3 Microbiological Specification

Parameter	Units	n	c	m	M	DTS Method
Aerobic Plate Count	Per g	5	2	500	1000	PCFD 04 10.05
Bacillus cereus	Per g	5	0	100		BCFD 04 08.08
Coliforms	Per g	5	0	<3		CEFD 02 05.05
Salmonella ³	Per 25 g	60	0	ND		SMFD 02 05.05
Cronobacter sakazakii ⁴	Per 10 g	30	0	ND		ESAK 03 05.06
Coag positive staph	Per g	5	0	Absent		STFD 04 09.06

n = number of samples to be tested

c = number of samples allowed between m and M m = maximum value that c samples may exceed

M = maximum value that may not be exceeded by any sample ND= not detected

6.4 Contaminants

Parameter	Units	Minimum	Maximum	DTS Method
Nitrate	mg/kg		50	NITR051210
Nitrite	mg/kg		2	NITR051210
Lead	mg/kg		0.15	ICPM010611
Aluminium	mg/kg		0.5	ICPM010611
Aflatoxin M1	µg/kg		0.5	AFLA020493
Fluoride	ppm		100	SUB002 00.89

7 Shelf Life

The product will have a shelf life of 2 years when stored below 25oC and 65% Relative Humidity in its original sealed packaging.

8 Packaging

Flexible Bulk bags with gas barrier plastic liner. Nominal weight 650kg.

³ Composite sampling may be performed to test as 1 x 1500 g sample. Or other combinations that meets or exceeds the requirements of FSANZ 1.6.1 as it pertains to powdered infant formula.

⁴ Composite sampling may be performed to test as 1 x 300g sample. Or other combinations that meets or exceeds the requirements of FSANZ 1.6.1 as it pertains to powdered infant formula.

CERTIFICATE OF ANALYSIS

Date:	5 February 2018
Product Description:	Product of Australia Goat Milk Formula Step 1
Product Number:	381/1251800
Manufacture Code:	8004
Manufacture Date:	4 January 2018
Best Before Date:	4 January 2020

Parameter	Unit	Low Limit	High Limit	Result
Protein (TN x 6.38)	g	11.2	12.6	12.1
Fat	g	27	29.2	27.8
Carbohydrate (By Diff)	g	51.2	58.6	55.0
Ash	g	2	4	2.8
Moisture	g	1.2	3	2.3
Bulk Density				0.51
Vitamin A	IU	1315	2952	1816
Vitamin B1	mg	0.49	0.92	0.56
Vitamin B2	mg	0.65	1.5	0.86
Niacin	mg	4	7.3	4.9
Folate	µg	66	164	100
Vitamin B6	mg	0.34	0.64	0.55
Vitamin B12	µg	1.3	3	1.8
Vitamin C	mg	56	112	79
Vitamin D	IU	345	510	371
Vitamin E	mg	10	20	13
Vitamin K	µg	35	66	60
Pantothenic Acid	mg	3.3	6.2	3.4
Biotin	µg	13.8	32	14
Sodium	mg	180	270	231
Potassium	mg	555	740	643
Calcium	mg	400	560	399
Iodine	µg	75	150	88
Iron	mg	5.7	7.4	6.3
Magnesium	mg	36	63	63
Phosphorus	mg	250	375	375
Zinc	mg	3.6	5.4	4.6
Manganese	µg	72	108	86
Copper	µg	400	530	413
Chloride	mg	300	470	360
Selenium	µg	14.3	22	16
Ca:P		1.2	2	1.4
LA:ALA		5	15	6.7
Linoleic Acid	g	4.5	5.6	4.7
alpha Linolenic Acid	g	0.7	0.9	0.7
Choline	mg	57	86	71.3
Taurine	mg	28	45	39

Parameter	Unit	Low Limit	High Limit	Result
L-Carnitine	mg	9	16	14
Inositol	mg	30	62	40
Lutein	mcg	45	90	68.2
Flavour and Odour				Good
Appearance and Colour				Normal
pH				6.63
C.sakazakii	per 300g	Not Detected		Not Detected
Salmonella	per 1500g	Not Detected		Not Detected

Parameter	Units	Specification	1	2	3	4	5
Bacillus cereus	cfu/g	Max 100	<10	<10	<10	<10	<10
Coliforms	MPN/g	< 3	<0.3	<0.3	<0.3	<0.3	<0.3
Enterobacteriaceae	Per g	Absent per g	Absent	Absent	Absent	Absent	Absent
Coagulase positive staph.	per g	Absent per g	Absent	Absent	Absent	Absent	Absent
Standard Plate Count	cfu/g	Max 1000	60	30	50	100	40

i This certificate of analysis is based upon analysis conducted by DTS Food Assurance and TMI