

BABY GRO

STAGE 3 – TODDLER FORMULA

General Description

BABYGRO Stage 3 Toddler formula is the product made from the mixing of a wide range of dairy constituents, standardised milk, vegetable oils and vitamins and minerals and the spray drying of the resultant mix. The base powder is manufactured as a standard product and can be customer modified by using a range of dry additions for the bioactive components

Process Conditions

BABYGRO Stage 3 Toddler formula is re processed from 600 kg lined hessian bulk bags. The product is repackaged to 900g tins in accordance with Good Manufacturing Process , HACCP and under conditions that comply with State, Federal regulations prescribed for the manufacture of dairy products.

Intended Use

It is an ideal dairy nutrition source for a Infant (Post 6 Months). Consumption is governed by 8.8g per 60 ml water.

Storage and Transport

BABYGRO Stage 3 Toddler formula is a hygroscopic high fat product that possesses the ability to absorb odours. Therefore adequate protection is essential. It is recommended that product is stored at temperatures below 25°C, relative humidity below 65% and in an odour free environment. Stocks should be used in rotation preferably within 24 months of manufacture.

Composition

Composition Per 100g	Specification Per 100 Kj	Suggested Can per	100kj
Energy	1955 - 2039 kJ/100g	100 kj	100kj
Protein	17.2 - 21.0%	0.8 – 1.1 g	0.95g
Whey Protein : Casein ratio	0.5 – 1.2	NA	0.8
Whey Protein	45% typical	NA	NA
Total Fat	20– 29.9%	0.9 -1.2 g	1.05g
Free Fat	Max 3%	NA	3
Carbohydrate	48.9 - 56.9%	2.4 - 2.9 g	2.65g
Ash	3.5 – 4.8 %	NA	NA
Moisture	Max. 3.0%	NA	NA
Iron	7.30 – 9.80 mg	0.36 – 0.50 mg	0.43 mg

Chloride	440 – 660 mg	22 – 34 mg	28 mg
Magnesium	51 - 80 mg	2.5 – 4.1 mg	3.3 mg
Sodium	185 – 264 mg	9 -13 mg	11 mg
Potassium	714-1020 mg	35-52 mg	43.1 mg
Selenium	9.8-14.7 ug	0.48-0.75 ug	0.615ug
Zinc	4.1-5.9 mg	0.2-0.3 mg	0.25 mg
Calcium	660- 860 mg	32-44 mg	38 mg
Phosphorous	430-550 mg	21.1 – 28.1 mg	24.6 mg
Calcium : Phosphorous	1.2-2.0	NA	NA
Copper	315-450 ug	15-23 ug	19 ug
Iodine	60-200 ug	2.9-10.2 ug	6.55 ug
Manganese	80-140 ug	3.92 -7.2 ug	5.56 ug
Taurine	38-58 mg	4.9-7.7 mg	2.5 mg
Choline	100-150 mg	4.9-7.7 mg	6.3 mg
Inositol	24-36 mg	1.2- 1.8 mg	1.5 mg
Lutein	Min 180 ug	8.82ug	8.82 ug
Vitamin A	1900-3400 IU	28-52 ug RE	40 ug RE
Vitamin D	320-580 IU	0.39-0.74ug	0.565 ug
Vitamin E as tocophero	10.5–18.9IU	0.32-0.65 mg TE	0.5 mg TE
Vitamin K1	45.0- 81 ug	2-4 ug	3 ug
Beta carotene	120-216 ug	5.9 -11 ug	8.45 ug
Vitamin C	85 - 153 mg	4.2-7.8 mg	6 mg
Vitamin B1	700 - 1260 ug	38-70 ug	49 ug
Vitamin B2	1110-2000 ug	0.12-0.23 ug	78 ug
Vitamin B6	480-864ug	24 - 44ug	34 ug
Vitamin B12	2.5-4.5 ug	0.12 - 0.23 ug	0.175 ug
Niacin	7.0 – 12.60 mg	343 - 644 ug	493.5 ug
Pantothenic Acid	4.4 – 7.9 mg	216 - 404 ug	310ug
Folic Acid	125 - 225ug	6-12 ug	9 ug
Biotin	22.0 – 39.6 ug	1.0 – 2.0 ug	1.5 ug
Linoleic Acid	3.2- 4.8 g	0.16 – 0.25 g	0.205g
Alpha Linolenic Acid	0.32 – 0.44g	16 - 22 mg	19mg
Nucleotides	Minimum 30 mg	Minimum 1.37 mg	1.37 mg
GOS	Min 1000g	Min 45.5 mg	45.5 mg
DHA	Minimum 30 mg	Minimum 1.47 mg	30 mg
AA	Minimum 60 mg	Minimum 2.94 mg	60 mg
Fatty Acid			
Trans Fatty Acid: Total Fatty Acid	<3%	NA	NA

Chemical Assesment

Antibiotics	Less than 0.003 µg/g
Lead	Max. 0.12 ppm
Arsenic	Max 0.5 ppm
Aluminium	Max. 0.2 mg/100g
Nitrate	Max. 50 ppm
Nitrite	Max. 2.0 ppm
Artificial Flavour/Sweetener	Not detected
Peroxide Value	Max. 3 meq O2/kg
Melamine	Max 1 ppm

Physical Assesment

ADPI Insolubility	Max. 0.2 ml
Scorched Particles/150 grams	Max. Disc A
Bulk Density	(X100) 0.49 - 55 g/ml
Spoon Full	8.7 ± 0.3 grams
Wettability	(40°C) Max 40 seconds

Composition – Ingredient Declaration (as per ANZFS 1.3.3)

Skim Milk Solids, Lactose (From Milk), Vegetable Oils [Contains Soy, Antioxidant (304)], Whey Solids (From Milk, Including Alpha-Lactalbumin), Galacto Oligosaccharides, Emulsifier (322 From Soy), Arachidonic Acid (AA), Milk Fat, Docosahexaenoic Acid (DHA), Choline Bitartrate, Nucleotides (Cytidine Monophosphate, Uridine Monophosphate Disodium Salt, Adenosine Monophosphate, Inosine Monophosphate Disodium Salt, Guanosine Monophosphate Disodium Salt), Taurine, M-Inositol, Lutein. Culture (Bifidus)

Minerals- Calcium Carbonate, Tri Calcium Phosphate, Potassium Chloride, Magnesium Chloride, Ferrous Sulphate, Zinc Sulphate, Copper Sulphate, Manganese Sulphate, Sodium Selenite, Potassium Iodide.

Vitamins: Sodium Ascorbate, Niacinamide, Vitamin A Acetate, D1 Alpha Tocopherol, Calcium D Pantothenate, Vitamin D3, Thiamine Hydrochloride, Ascorbic Acid. Pyridoxine Hydrochloride, Riboflavin, Beta Carotene, Folic Acid, Vitamin K1, Biotin, Vitamin B12.

Allergen labelling

Dairy, Soy

Country of Origin labelling

Made in Australia from local and Imported Ingredients

Shelf life

2 years

Weight

- 900g Nett
- 925 g Gross

Packaging

Product is processed into tin can in a <5% Oxygen environment with a LLDPE / HDPE over cap applied that is packed in to a shipper carton of 6 units.

Pallet Configuration

- 10 cartons per layer
- 12 layers per pallet

Coding

- Unit
 - Man. Date (YYYY- MM- DD) Use By Date (YYYY - MM-DD) Time Sequential Can Number
- Carton
 - Man. Date (YYYY- MM- DD) Use By Date (YYYY - MM-DD) Sequential carton Number

Microbiological Parameters

Standard Plate Count	Max. 1000 CFU per gram
Thermophiles	Max. 3,000 CFU per gram
Coliforms	Max. 10 CFU per gram
E.coli	Not detected per gram
Staphylococci Coagulase positive	Absent in 1.0 gram
Shigella Absent in 25g	Absent in 25g
Yeast	Max 20 CFU/g
Mould	Max. 20 CFU / gram
Salmonella	Absent in 1500 g
Bacillus cereus	Max. 100 CFU per gram
E. sakazakii	333g sample Not detected per 100g
Listeria	Not detected per 25g
Aflatoxin	M1/B1 Not detected