

SKIM MILK POWDER

PRODUCT SPECIFICATION – 25kg bag

Produced and packed in New Zealand



Product Description

A white to slightly yellow coloured powder which is free from lumps, flows easily and has good solubility. It has a pleasant milky taste with light sweetness.

Packaging

Skim Milk Powder is available in 25kg open mouth pasted (block bottom) paper bag, heat sealed, pinch top, permeable plastic inner liner.

Pack Size & Units per 40' FCL

Bag Size	Container Size	Per FCL
25kg	40'	1016 bags

Recommended Storage

Temperature < 25°C / Relative Humidity <65%/ Store in a cool, dry, well ventilated and odour free place/ Store off the floor and away from walls.

Shelf Life

24 months (729 days)

Food Safety

Risk Management Plan ered with the New Zealand Ministry of Primary Industries (MPI).

Allergens

Dairy

Category & Dietary Status

Halal certified

Contact Details

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Typical Nutritional Analysis

Item	Units	Per 100g
Energy – Total	kJ	1532.4
Fat – Total	g	0.8
Saturated Fat	g	0.6
Trans Fat	g	0
Cholesterol	mg	24.0
Protein	g	32.9
Carbohydrate – Total	g	55.0
Ash	g	6.6
Sodium	mg	280

Note: quantities stated are typical values only.

Ingredients

Parameter	Max Value	Test Method*	Unit
Aerobic Plate Count	5000	ISO 4833-1:2013	cfu/g
Coagulase-positive Staphylococci	ND	ISO 6888-3:2003	/g
Escherichia coli	ND	in-house method	/g
Yeasts and Moulds	50	ISO 6611	cfu/g
Salmonella	ND	GENE-UP	/1500g
Salmonella	ND	GENE-UP	/25g
Thermophilic Aerobic Spores	300	ISO/TS 27265: 2009/ IDF/RM 228:2009	cfu/g
Mesophilic Aerobic	300	APHA Dairy Spores 17th Edition 8.090 (modified)	cfu/g
Coliforms Detection	ND	in-house method	/g
Enterobacteriaceae Count (37°C)	10	ISO 21528-2:2017	cfu/g

General Composition

Parameter	Label Val	Min.	Max	Test Mth*	Unit
Fat	0.80		1.25	ISO 21543/IDF	g/100
Protein (SNF basis)	34.5	34.0		Calculation.	g/100g
Protein (Nx6.38)	33.4			ISO 21543/IDF	g/100g
Moisture	3.8		4.0	ISO 21543/IDF 201:2020 (calibrated against IDF 26A:1993)	
Whey protein nitrogen index	3.2	1.5	5.9	AS 2300.4.8	mg/g

Physical Attributes

Parameter	Min Val	Typical	Max	Test Mth*	Unit
Scorched Particles	A	A	A	ADPI Bulletin 916, 2002	/25g
Foreign Matter		A	A	AS 2300.4.5-1994	/25g
Insolubility Index (24°C)		0.1	1.0	ISO 8156/ IDF	mL
Titrateable Acidity		0.10	0.15	APHA Dairy 17th ed.	
Reconstituted Acidity			18	GB 5009.239-2016	
Impurities			16	GB 5413.30-2010	mg/kg

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Sensory Attributes

Parameter	Pass Description	Test Method
Flavour/O odour	Typical	in-house method
Appearance	Typical	in-house method

Contaminant Limit

Parameter	Max Value	Test Method*	Unit
Aluminium **	2.5	(ICP-MS)	mg/kg
Arsenic	0.070	(ICP-MS)	mg/kg
Mercury	0.010	(ICP-MS)	mg/kg
Lead	0.020	(ICP-MS)	mg/kg
Cadmium **	<0.0100	(ICP-MS)	mg/kg
Tin ***	0.040	(ICP-MS)	mg/kg
Aflatoxin M1	0.50	AOAC 2000.08 (mod.)	µg/kg
Nitrate	150.0	ISO 14673-3 (mod.)	mg/kg
Nitride	2.0	ISO 14673-3 (mod.)	mg/kg
Inhibitory Substances	ND	Delvotest SP-NT/ SP Mini NT	
Chromium	2.00	(ICP-MS)	mg/kg
Melamine	0.10	(LC-MS/MS)	mg/kg
Cyanuric Acid	0.10	(LC-MS/MS)	mg/kg
Benzalkonium chloride (total) - (BAC) - (SP00004S)**		LC-MS/MS	mg/kg
Iodine-131**	100.00	Gamma Spectrometry	Bq/kg
Caesium-134**	250.00	Gamma Spectrometry	Bq/kg
Caesium-137**	250.00	Gamma Spectrometry	Bq/kg
DADMAC Sum Dialkyl (dimethyl)ammonium chlorides - (SF0001N9)**		LC-MS/MS	mg/kg
Nonylphenol ethoxylate (NPE)**	0.15	LCMSMS	mg/kg

* Alternative test methods, might be used in place of those listed

** Tested through background monitoring

Compliance

This product meets the requirements of the New Zealand Ministry for Primary Industries (MPI) National Chemical Contaminants Programme (NCCP). Under the NCCP program, where Maximum Residue Limits (MRLs) have been set for for contaminants.

This product meets the compositional requirements of Codex Standard CXS 207-1999 for skimmed milk powder. The manufacturing premises operate under a Ministry for Primary Industry Risk Management Programme (RMP). RMP requirements are based on Codex HACCP principles and good manufacturing practice (GMP) to manage associated hazards and risks.

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