

H. Gmitato



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Instant
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FONTERRA BRANDS ASEAN/MENA

ANCHOR™/FERNLEAF™/Red Cow™ Instant Full Cream Milk Powder

Product Description: This is an instant spray process wholemilk powder fortified with vitamins.

Ingredients: Wholemilk, Lecithin, Vitamin A Acetate & Vitamin D₃.

Details	Units	Typical	Minimum Result	Maximum Result
Chemical				
Fat	%	28.8	28.0	30.0
Moisture – Gravimetric Oven	%	3.1	-	3.5
Protein as is	%	24.4	23.4	26.8
Protein - SNF Basis	%	-	34.0	-
Carbohydrate/Lactose	%	38.1	-	-
Mineral/Ash	%	5.6	-	-
Nitrates	mg/kg	-	-	50
Nitrites	mg/kg	-	-	5
Titrateable Acidity	%	-	-	0.15
Vitamin A	µg/100g	-	600	1100
Vitamin D ₃	µg/100g	-	8.5	13.0
Physical				
Scorched Particles	/32.5g	-	-	A
Bulk Density	g/ml	-	0.44	0.51
Foreign Matter	/32.5g	-	-	Class 2
Insolubility Index (24°C)	ml	-	-	0.5
Residual Oxygen	%	-	-	4
Sensory				
Flavour Overall	Typ/Atyp	-	Typical	-
Colour – Background	/32.5g	-	-	3
Functional				
Wettability 25°C	seconds	-	-	40
Dispersibility	45°C/330#	-	-	4
Coffee Sediment	ml	-	-	2.5
Slowly Dissolving Particles (SDP 25°C)	Score	-	-	D
Sediment 85°C	ml	-	-	3.0
Microbiological				
Aerobic Plate Count	cfu/g	-	-	10,000
Yeasts and Moulds	cfu/g	-	-	50
Coliforms	cfu/g	-	-	<1
Escherichia Coli	/g	-	-	Not Detected

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0402-21-99
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Details	Units		Minimum Result	Maximum Result
Coagulase Positive Staphylococci	/g	-	-	Not Detected
Salmonella	/750g	-	-	Absent
Listeria (Detection FDA)	/125g	-	-	Not Detected
Bacillus cereus	cfu/g	-	-	100
Inhibitory Substances	IU/ml	-	-	0.005

Ingredients: Animal origin raw materials and ingredients may be of non-New Zealand Origin but not be from Europe.

Lactose and milk permeate addition is permissible for standardisation purposes.

Dry lactose addition is permitted for standardisation purpose. Only NZ sourced lactose can be used, at the addition rate of 4% max.

Lactose used for dry addition must be of the below requirement:

- 60% to 80% of lactose passes through a 180µm sieve

Packaging: The standard export pack is either 25kg multi-wall bags or bulk bins. All formats incorporate an inner polyethylene liner. Each bag and/or bin is gas flushed with inert gas. No staples or metal fasteners are used.

For the purposes of trace back each bag is jet coded with at least three alpha numeric codes which denote:

- Factory of manufacture
- Day of manufacture, and
- Unit of manufacture

Storage: Product to be stored and transported at ambient conditions.

Shipping: Maximum age at time of shipment is 4 months.

Others:

1. Product must be compliant to regulatory requirements of markets exporting to, including and not restricted to: FBNZ and China.
2. Product must be HALAL certified including MUI Halal for Indonesia
3. Genetic Status Code – Level 3 "GM Negative by Test"
4. Approved Factories: Te Awamutu Powder 2 – 5576
Te Rapa Powder 4 – 6075

Amendment:

1. This is a new spec created for FBNZ and China, based on 112092 but with the following changes.
2. Vitamin A range is changed from 350-490 to 600-1100 µg/100g.
3. Vitamin D₃ range is changed from 5-9 to 8.5-13.0 µg/100g.
4. Vitamin C range is removed.
5. Min protein is increased from 23.3 to 23.4 %.
6. Nitrites max is increased from 2 to 5 mg/kg.
7. Residual carbon dioxide is removed because the bag is nitrogen gas-packed only.
8. Listeria sample size is increased from 100g to 125g as per GFSL.