



Product Specification

Product	: Instant Milk Product		
Size / Weight	: 25kg		
Date	: 15.07.2024	Issue	: 10
Reason for issue	: Shelf life amended		

- 1. Product Description:** A free flowing, creamy white coloured powder, obtained by spray drying fresh pasteurized medium heat skimmed milk, demineralized whey with vegetable fat. May be reconstituted in ration 1 part powder to 10 parts water.

2. Analytical Standards:

2.1. Chemical:

Parameter	Target Value	Limits	Method / Frequency
Protein	15 %		IDF 20B
Fat	25 %max		IDF 9C
Lactose	49 %	+/- 2.5%	Luff SCHOORL
Ash	7.2%	+/- 0.2%	ADPI
Moisture	4.0% max		IDF 26
pH	6.4 - 6,5		10% solution at 25°C
Acidity (as lactic acid)	0.15%		10% solution

2.2. Physical, including allowable contaminants and levels and organoleptic attributes:

Parameter	Target Value	Limits	Method / Frequency
Organoleptic	Fresh, clean taste, free from off-odours		10% solution at 25°C
Appearance	Off white, free flowing milk powder		Visual
Searched Particles	Disc A	Disc B max	ADPI
Bulk density		0.5 – 0.8 g/ml	

2.3. Microbiological:

Parameter	Target Value	Limits	Method / Frequency
Total Plate Count	<10,000 cfu	>50,000 cfu	IDF 100A
Enterobacteriaceae	Absent in 0.1g	Detected in 0.1g	ICMSF
E. coli	Absent in 1g	Detected in 1g	ICMSF
Salmonella	Absent in 50g	Detected in 50g	AOAC 989
Coagulase +ve Staphs.	Absent in 50g	Detected in 50g	IDF 60A
Yeasts & Moulds	<10 cfu	200 cfu	
Staphylococcus +(including S.aureus)	Absent		UFC/1g
Listeria	Absent		UFC/25g

3. Metal Detection:

Non-Ferrous:	4.0mm	Ferrous:	4.0mm	Stainless Steel:	5.5mm
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Frequency of metal checking metal detector:

4. Contaminants/ Additives

Parameters	M,m.C	Target	Unit
Aflatoxin M1	C	<0,05	µg/kg in the reconstituted milk
Melamin	C	<0,5	Picogram/g of fat
Sum of dioxins	C	<3	Picogram/g of fat

5. Shelf Life:

Shelf life from date of production: 18 or 24 months, dependent upon packer.

6. Storage and Transport Conditions:

6.1. Storage Conditions: Dry, ambient conditions

6.2. Transport Conditions: Dry, ambient conditions.

7. Packaging

7.1 Primary Packaging: (unit of sale) –

Dimensions (L x W x H) mm: mm: 800 x 450 x 110mm

Material and closure: Multi-ply polylined paper sack, liner is heat sealed, paper outer is closed with cotton stitching.

Weight of primary packaging: 300g

Label position:

Label information: Batch, product

Coding information and example:

7.2 Secondary Packaging:

Dimensions (L x W x H) mm: n/a

Material and closure: Polypropylene shrink wrap

Weight of secondary packaging: n/a

Label position: n/a

Label information: n/a



Coding information and example: n/a

7.3 Palletisation:

Units per layer: 5; Layers per pallet: 8;

Pallet 4W UK (1200 x 1000mm), wood.

Height of completed pallet: 0.75m; Weight of completed pallet: 1000kg

8. Weight Control:

Average weight or minimum weight: Average

Target Weight: 25kg

Label Weight: 25kg

9. Ingredient Declaration (legal): Skimmed Milk , Demineralized Whey and Vegetable Fat (100%)

10. Raw Material Components (in descending order):

Ingredient, including compound ingredients.	%	+ / -	Supplier	Country of Origin	GM Status
Dried Skimmed Milk With Vegateble Fat Demineralized Whey	100		Behpoder Food Ind. Complex.	IRAN	Free
Total	100				

Country of manufacture: Iran

11. Food Intolerance Data:

The product is **FREE** from the following: Site only deals with milk products

Component	Yes / No	Detail including origin
Additives ; Artificial	Y	
Additives ; Natural	Y	
Antioxidants BHA/BHT	Y	
Artificial Sweeteners	Y	
Azo and Coal Tar Dyes	Y	
Benzoates	Y	
Colours: Artificial	Y	
Colours: Natural	Y	
Colours: Nature Identical	Y	
Egg & Egg Derivatives	Y	
Flavourings: Artificial / Nature Identical	Y	
Flavourings: Natural	Y	
Glutamates, MSG	Y	
Gluten and Gluten Derivatives	Y	
Histamine, Caffeine	Y	
Lactose	N	Contains skimmed milk
Lupin Seed	Y	
Milk & Milk Derivatives	N	Contains skimmed milk
Modified Starches	Y	
Mustard, mustard seed, celery, celeriac, kiwi fruit	Y	
Nuts & Nut derivatives (including tree nuts) (and any possible sources of cross contamination)	Y	
Peanuts & Peanut Derivatives	Y	
Potassium Based Salt Substitute	Y	
Preservatives ; Artificial	Y	
Preservatives ; Natural	Y	
Rye, Barley & Oats or their Derivatives	Y	
Seeds (Poppy, Sesame, Sunflower) & Seed Derivatives	Y	
Sulphites and Sulphur Dioxide	Y	
Wheat and Wheat Derivatives	Y	
Yeast and Yeast Derivatives	Y	
Genetically Modified Ingredients	Y	
Components derived from Maize	Y	
- If No, are they derived from Identity Preserved Source ?		
Or do they have a negative PCR Certificate ?		
Components derived from Soya	Y	
- If No, are they derived from Identity Preserved Source ?		
Or do they have a negative PCR Certificate ?		
Processing Aids derived from G.M.O.	Y	
Beef	Y	
Beef derivatives, stocks, extracts, offals, gelatin, fat, blood	Y	
Beef, Pork, Lamb, Fish products or derivatives on site	Y	
Fish, Crustacian or Mollusc derivatives, stocks, extracts, offals, gelatin, fat, blood	Y	
Fish, Crustacians or Molluscs	Y	
Lamb	Y	
Lamb derivatives, stocks, extracts, offals, gelatin, fat, blood	Y	
Pork	Y	
Pork derivatives, stocks, extracts, offals, gelatin, fat, blood	Y	

12. Diet Suitability:

The product is **SUITABLE** for the following diets:-

Vegetarians	Y	Ovo - Lacto Vegetarians	Y
Vegans	N	Muslims / Halal certified	Y*
Jewish / Kosher	Y*	Diabetics	Y
Low Potassium	Y	Coeliacs	Y
Low Sodium	Y	Organic	N

* suitable not certified
