

Extra Grade Skim Milk Powder

Description

Extra grade skim Milk Powder (SMP) is a soluble powder made by spray drying of fresh pasteurized skim milk grade A in a hygienic condition.

Properties

- Free flowing powder
- Clean Flavor
- Good dispersibility
- Good solubility

Applications

- Reconstituted milk
- In Dairy Products (yoghurt, Cheese etc.)
- Ice cream
- Desserts
- Chocolates
- Confectionary products
- Bakery Products

Chemical Specifications

Parameter	Limit Value	Test Method
Moisture	Max 5%	ISO 5537- IDF 26
Fat	Max 1.5%	ISO 23318- IDF 249
Protein	Min 33%	ISO 8968-1- IDF 20-1
pH	6.5-6.65	10% Solution
Lactose	45-55%	ISO 22662:2024- IDF 198
Titratable Acidity	Max 15°D	ISO 6091- IDF 86
Ash	7.6-8.2%	AOAC 930.30-1930
Scorched Particle	Disc A*	ISO 5739- IDF 107
Insolubility Index	Max 1ml	ISO 8156-IDF 129

*7.5 mg in 25 g

Packaging

This product is packed in 25Kg paper bags with composite liners to avoid environmental damages and cross contaminations.

Storage and Handling

Store in the original sealed packing in ambient condition (under 25°C and maximum RH of 65%) without exposure to direct sunlight and away from moisture in a hygienic environment.

Shelf Life

24 months if kept under the prescribed storage conditions.

Microbiological Specifications

Parameter	Limit Value	Test Method
Mesophilic Total count	Max 10 ⁴ CFU/g	ISO 4833-1
Coliform	Max 10 CFU/g	ISO 4832
Salmonella	Negative	ISO 6579-1
Yeast & Molds	Max 100 CFU/g	ISO 6611- IDF 94
E. coli	Negative	ISO 11866-2
Enterobacteriaceae	Max 10 CFU/g	ISO 21528-2
Coagulase-positive Staphylococci	Negative	ISO 6888-3

Contaminations Specifications

Parameter	Limit Value	Test Method
Aflatoxin M1	Max 1 ppb	ISO 14501-IDF 171
Lead	Max 0.02 ppm	AOAC 999.11
Melamine	Max 2.5 ppm	ISO/TS 15495-IDF/RM 230

Antibiotic – Not Detected – tested on twinsensor rapid test (KIT035) for tetracycline, β -lactam and sulfonamide.

Labelling

Labelled in accordance with the Codex General Standard for the Labelling of Prepackaged Foods (CODEX STAN 1; 1985 (Rev. 1-1991)), the Codex General Standard for the Use of Dairy Terms (CODEX STAN 206; 1999) and the relevant labelling section of Codex commodity standards for individual milk products

Allergens

Milk and milk Products thereof (including Lactose)

GMO

Not submitted to the EU regulations n° 1829/2003 and 1830/2003 relating to Genetically Modified (GM) food and feed

Nutritional Information

Parameter	Content (per 100g)
Energy	347.2 kcal (1452.684kJ)
Protein	34 g
Carbohydrate	51 g
Fat	0.8 g