

## Instant Whole Milk Powder

### Description

Produced from fresh pasteurized whole milk spray dried for easier storage and transportation and also avoiding spoilage during long time storage.

### Composition

Whole milk powder, E322

### Properties

- Creamy color
- Free flowing powder
- Fresh taste and aroma
- Excellent dispersibility
- Good solubility

### Applications

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

### Chemical Specifications

Parameter	Limit Value	Test Method
Moisture	Max 4%	ISO 5537- IDF 26
Fat	25-27%	ISO 23318- IDF 249
Protein	Min 31%	ISO 8968-1- IDF 20-1 (DMB)*
pH	6.6-6.75	10% Solution
Lactose	34-44%	ISO 22662:2024- IDF 198
Titratable Acidity	13-15°D	ISO 6091- IDF 86
Ash	5-7.5%	AOAC 930.30-1930
Scorched Particle	Disc A*	ISO 5739- IDF 107
Bulk Density	0.42-0.52 g/ml	ISO 8967- IDF 134:2005
Insolubility Index	Max 1ml	ISO 8156-IDF 129

\*7.5mg in 25 g

\*DMB: Dry Matter Basis

### 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 <sup>5</sup> 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
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	483.6 kcal (2023.382 kJ)
Protein	26.8 g
Carbohydrate	35.6 g
Fat	26 g