



Milii[®] Skimmed Milk Powder

Medium Heat Regular

Description

Milii Skimmed Milk Powder is a spray-dried powder with approx. 1 % milk fat. It is based on fresh cow's milk, which has undergone legal pasteurization, as well as further heat treatment and evaporation, prior to spray drying.

Properties

Milii Skimmed Milk Powder is a free-flowing powder, free of lumps, with a milky smell. WPNI: >1.5 <6.0 mg/g = medium heat (MH).

Application

1. Industrial production
2. Bakery
3. Biscuits
4. Sweets

Dosage depends on application. For recombining we recommend 100 g powder for 900 ml water giving approx. 1 liter 'skimmed milk'.

If for drinking purpose previously boiled lukewarm water must be used. Skimmed milk powder is not adapted to be used as infant feeding.

Composition

Skimmed milk.

Chemical Specifications - levels

Protein (Nx6.38) d.m.		34 %
Lactose	By difference/calculated	54 %
Fat		1.25 %
Ash		8 %
Moisture		4 %
Titrate acidity as lactic acid*		max 0.15 %

Physical specifications

Form		Powder
pH (10% solution)		6.5-6.8
Scorched particles	Disk A = 7.5 (ADPI)	Disc A
Bulk density	(x 625)	0.40-0.85 g/cm ³
Bulk Volume	(x 625)	125-250 cm ³ /100g
(In) Solubility index		1.25 ml
Colour		slightly yellow

Microbiological specifications

Total plate count	CFU/g	max 10000
Bacillus cereus	CFU/g	max 100
Enterobacteriaceae	CFU/g	<10
Coag. Pos. Staphylococci (S. aureus)	CFU/g	<10
Yeast/Mould	CFU/g	max 100
Salmonella	125 g	Absent

Coliforms, E. Coli and Cronobacter spp. are controlled via Enterobacteriaceae. - listed above.

Certificate of Analysis (CoA) and Release Procedure

Certificate of Analysis (CoA) with selected parameters from above `Chemical, Physical, and Microbiological Specifications are available after `positive release ` at packed batch level.

Methods in use are with reference to international recognized standards (e.g. ISO, IDF, VDLUFA) if applicable. Testing is mainly performed at own lab, which participates in relevant proficiency schemes. Pathogen testing is performed by accredited labs/methods.

Representative samples are collected from each production batch.

Testing is performed on selected parameters as a combination of individual final batch testing and monitoring of the whole production process.

Retain samples representing all delivered batches are kept during prescribed shelf life.

Packaging

The product is packed in a multi-layer paper bag with a PE inner liner; 25 kg net. Big Bags and bulk silo are available upon request.

Bags loaded loose in container.

Per customer agreement on new wooden heat-treated pallets with cover - full wrapped or with a plastic hood.

BLUE MOON INDUSTRIES (PVT.) LIMITED.

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Melamine due to adulteration is absent - verified through monitoring of products to be well below 0.5 mg/kg.
The authorities are overlooking radioactive out-falls and monitor the residue level in food, water and environment.

Storage

Products are to be stored in closed bags away from strong odours under cool, dry conditions to prevent deterioration due to humidity and high temperatures.

Shelf Life

24 months minimum if kept under the prescribed storage conditions.

Preservation

Milii Skimmed Milk Powder has not been irradiated. Preservatives e.g. benzoate, sorbate have not been added.

Various Contaminants - Monitoring

Antibiotic - below legal maximum residue levels (MRL) - tested on raw milk at silo tank level prior to release for production, by use of quick test (Beta Star).

Aflatoxin M1 - verified through random testing of raw milk samples - results well below 0.05 mcg/l milk.

Pesticides - yearly monitoring through representative samples of raw milk. No detection at 0.01 mg/kg (LOD) or below as applicable, i.e. well below legal maximum residue levels (MRL).

Through monitoring of milk and/or products the below can be confirmed to be in control for the powder:

Dioxins: <3 pg WHO-PCDD/F-TEQ/g milk fat

Lead (Pb) mg/kg	<0.05
Arsenic (As) mg/kg	< 0.1
Mercury (Hg) mg/kg	< 0.005
Nitrate (NO ₃) mg/kg	max 50
Nitrite (NO ₂) mg/kg	max 5

Nutritional data (avg. Values for nutrition Labeling per 100g based on best Available data including data from Literature)

Energy (calculated)	1500 kJ/355kcal
Fat	1 g
of which saturated fatty acid	0.8 g
Trans fatty acid	0.04 g
Carbohydrate	54 g
of which sugars (lactose)	54 g
Protein (Nx6.38)	32 g
Dietary Fibre	0 g
Salt (NaCl)	1.0 g

Selected elements

Vitamin B2	1.4 mg
Calcium	1100 mg
Potassium	1500 mg
Phosphate	900 mg

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