

BIHAR STATE MILK CO-OPERATIVE FEDERATION LTD. PATNA

Product Specification

SPECIFICATION OF SUDHA SKIMMED MILK POWDER [ISI STANDARD GRADE]

S. No.	Parameters	Sudha Specification
1	Organoleptic test	Flavour of SMP or of the milk reconstituted from SMP shall be sweet, pleasant and clean.
2.	Colour	Creamy White
3.	Moisture by weight	4.0% (max.)
4	Titrateable acidity (As Lactic acid % by mass)	1% (Min.) – 1.5% (Max.)
5.	Insolubility Index	1.0 ml. (Max.)
6.	Total ash (on dry matter basis) % by weight	8.2 % (Max.)
7.	Fat % by weight	1.5% (Max.)
8.	E. Coli	Absent per gm.
9.	Salmonella	Absent in 25 gm.
10.	Staph. aureus (Coagulase positive)	Less than 10 per gm.
11.	Aerobic spore count (B. cereus)	100 per gm. Max.
12.	Anaerobic spore count (Clostridium purfringenes)	10 per gm. Max.
13.	Listeria monocytogenes	Absent per gm.
14.	Standard plate count per gm.	40,000 (Max.)
15.	Coliform Count	10 per gm.
16.	Neutraliser test	Negative
17.	Alcohol test	Negative when tested with 60% ethyl alcohol (v/v)
18.	Adulterants	Negative
19.	Lactose to Protein ration (measured by infra-red spectro-photometry).	1.50 (Max.)
20.	Milk protein in milk solids not fat	Not less than 34% mass/mass
21.	Packing Detail	25 kg.KP bag with polyliner

1. Scorched particles test shall be within equivalent to Disc C of IS 13500, 1992 standard.
2. No foreign particles shall be found floating on the surface of reconstituted milk and also, there shall not be any precipitation at the bottom of reconstituted milk storage tank after emptying of reconstituted milk.


14/5/2015
Dy. Manager (Ops)


General Manager