



Gujarat Co-operative Milk Marketing Federation Limited

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PRODUCT SPECIFICATION SHEET

SKIMMED MILK POWDER (ISI STANDARD GRADE)

Physical

	Units	Min.	Max.	Reference Method
Colour	-		Creamy white	IS:13334 (Part 2):1998
Texture (Agglomerated)	-		Coarse	
Scorched particle	per 25g	-	Disc B	IS:13500:1992
Insolubility index	ml	-	0.5	IS:12759:1989
Wettability (40°C) (Agglomerated)	sec	-	25	NIRO-Analytical Methods for Dry Milk Products: Section A 5a

Sensory

	Units	Min.	Max.	Reference Method
Flavour	-		Clean and fresh	IS:13334 (Part 2):1998

Chemical

	Units	Min.	Max.	Reference Method
Protein (N X 6.38) MSNF basis	% m/m	36.00	-	IS:7219:1973
Moisture	% m/m	-	3.20	IS:11623:2008
Fat	% m/m	-	1.00	IS:11721:2005
Total Ash dry basis	% m/m	-	8.20	IS:1165:2002
Titratable acidity per 10g MSNF	ml of 0.1N NaOH	-	16.0	IS:1165:2002

Microbiological

	Units	Min.	Max.	Reference Method
Aerobic plate count	cfu/g	-	30000	IS:5402:2012
Coliforms	per g	-	Absent	IS:5401(Part I/II):(2002/2012)
Yeast & Mould	per g	-	Absent	IS: 5403:1999
E.coli	per g	-	Absent	IS:5887(Part 1):1976
S.aureus (coag.pos.)	per g	-	Absent	IS:5887(Part 2):1976 & (Part 8):2002
Salmonella & Shigella	per 25g	-	Absent	IS:5887(Part 3):1999 & (Part 7):1999
Anaerobic spore formers	per g	-	Absent	SP:18(Part XI):1981
Listeria monocytogens	per g	-	Absent	IS:14988(Part 2):2002

Storage Condition and Shelf Life

- Shelf life of the product is 12-24 months when stored under cool and dry condition.

The product shall also conform to any other requirements under the Food Safety Standard Regulations, 2011 (as and when amended).

Packaging

- Consumer packs:** Tins (1kg & 2kg), Refills (500g & 1kg), Pouches (500g & 1kg)
- Bulk packs:** Bags (10kg & 25kg)

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Revision no.
02

Issue Date:
October-14