



**MAHARASHTRA RAJYA SAHAKARI
DUDH MAHASANGH MARYADIT, MUMBAI
MAHANAND DAIRY**

Western Express Highway, Goregaon (East), Mumbai-400 065.
Tel. : 2685 6360 / 61, 2685 6585 / 997070 0577 Customer Care : 26856572 / Fax : 2685 6780

Date:- 15/06/2020

MND/3/QC/SP/2020-21

SPECIFICATION OF SKIMMED MILK POWDER

Sr. no	DESCRIPTION	CHEMICAL SPECIFICATION	REFERENCE METHOD
1	Description	Agglomerated. White to light cream colour. Free from lumps.	IS 13334: 2014 (Part 1)
2	Flavour & taste	Pleasant & clean. It may have slightly cooked but not burnt Flavour.	
3	Extraneous matter	Free from extraneous matter, added colour & added flavour.	
4	T. Acidity (ml of 0.1 n Naoh/10g of SNF)	12-18	IS 11766: 1986
5	Milk Fat % by mass	1.5(Max)	IS 11721:2013 or IS 13334: 2014 (Part 1) annex B
6	Moisture % by mass	4.0 (Max)	IS 16072: 2012
7	Insolubility index in ml	2.0 (Max)	IS 12759: 1989
8	Total Ash (on dry basis in % by mass)	8.2 (Max)	IS 14433 (Part 1): 1997
9	Total solids % by mass	96.0 (Min)	As per SOP
10	Milk protein in milk solid not fat (% by mass)	Not less than 34.0	IS 7219: 1973
11	pH	6.5-6.8	As per SOP
12	MBRT Test (hrs)	5.30(Min)	ICAR Bacteriological manual, karnal
13	68% alcohol	Negative	Instruction manual, NDDB Anand
14	Adulterant test	Negative	
15	Sodium (ppm)	550(Max)	



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16	Scorched particles (mg)	15 (equivalent to B grade)	IS 13500
17	Bulk density (g/cm ³)	0.40-0.70	As per SOP
18	Total Plate Count (cfu/gm)	Not more than 40,000	IS 5402
19	Coliform count(cfu/gm)	Not more than 10	IS 5401
20	E-Coli(cfu/gm)	Absent	IS 5887 (Part 1)
21	Salmonella(cfu/25gm)	Absent	IS 5887 (Part 3)
22	Coagulase positive Staphylococcus aureus(cfu/gm)	Absent	IS 5887 (Part 2)
23	Listeria Monocytogens(cfu/gm)	Absent	IS 14988 (Part 1)
24	Anaerobic spore count (Clostridium sp.) (cfu/25gm)	<10	IS 5887 (Part 4)
25	Aerobic spore count(Bacillus cereus) (cfu/25gm)	<10	IS 5887 (Part 6)

Storage condition and shelf life: shelf life of product is 18 months when stored at Room temperature.

The product shall also confirm to any other requirements under the BIS & (FSSAI) Regulations 2011 as & when recommended.

Packaging: Bulk Pack-SMP Kraft paper bag with LDPE polyliner (25kg)

Dr. Naresh Gite (I.A.S.)
Managing Director