



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

MND/3/QC/SP/2020-21

Date:- 15/06/2020

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)	

D. L
9/12

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

MAHANAND DAIRY

Western Express Highway, Goregaon (East), Mumbai-400 065.
Tel : 2685 6380 / 61, 2685 6585 / 997070 0577 Customer Care : 26856572 / Fax : 2685 6780

-2-

20	Scorched particles (mg)	15 (equivalent to B grade)	IS 13500
	Bulk density (g/cm ³)	0.40-0.70	As per SOP
21	Total Plate Count (cfu/gm)	Not more than 40,000	IS 5402
22	Coliform count (cfu/gm)	Not more than 10	IS 5401
23	E-Coli (cfu/gm)	Absent	IS 5887 (Part 1)
24	Salmonella (cfu/25gm)	Absent	IS 5887 (Part 3)
25	Coagulase positive Staphylococcus aureus (cfu/gm)	Absent	IS 5887 (Part 2)
26	Listeria Monocytogens (cfu/gm)	Absent	IS 14988 (Part 1)
27	Anaerobic spore count (Clostridium sp.) (cfu/25gm)	<10	IS 5887 (Part 4)
28	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