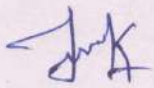# MAHARASHTRA RAJYA SAHAKRI DUDH MAHASANGH MARYADIT,
MAHANAND DAIRY, VARVAND,
Gat no. 2104/1B, Near Pune -Solapur Highway, Tal.-Daund. Dist.-Pune 412215.
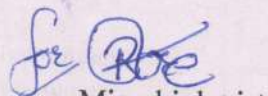Tel.No. 02119-299115 E Mail ID mahanand.varvand@gmail.com

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SPECIFICATION OF SKIMMED MILK POWDER
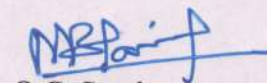
SR. NO	DESCRIPTION	CHEMICAL SPECIFICATION	REFERENCE METHOD
1	Description	Agglomerated white to light cream colour Free from lumps.	IS 13334:2014 (part I)
2	Flavor and taste	Pleasant & clean. It may have slightly cooked but not burnt flavour	
3	Extraneous matter	Freee from extraneous matter added coour & added flavour	
4	Titrable acidity(ml of 0.1N NaOH/10g f SNF)	12 -18	IS 11766:1986
5	Milk fat % by mass	1.5 max	Is 1121:2013 or IS 13334:2014(part)annex B
6	Moisture %by mass	4.0 (Max)	IS 16072:2012
7	Insolubility index in ml	2 (Max)	IS12759:1989
8	Total ash(on dry basis in % by mass)	8.2 -8.4 (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	68% alcohol	Negative	Instruction manual, NDDB anand
13	Adultration test	Negative	Instruction manual, NDDB anand
14	Scorched particle (mg)	15 (equivalent to B Grade)	IS 13500
15	Bulk Density (g/cm^3)	0.40 – 0.70	As per SOP
16	Total Plant Cunt (cfu/gm)	Not more than 40000	IS 5402
17	Coliform count(cfu/gm)	Not more than 10	IS 5401
18	E.coli(cfu/gm)	Absent	IS 5887(part 1)
19	Salmomnella(cfu/25gm)	Abasent	IS 5887 (part 3)
20	Coagulase positive Staph. aureus(cfu/gm)	10 (max)	IS 5887 (part2)
21	Listeria momnocytogen(cfu/gm)	Absent	IS 14988 (part 1)
22	Anaeobidc spore count (Clostridium sp.) (cfu/25gm)	<10	IS 5887 (part 4)
23	Aerobic spore count (Bacillus cereus)(cfu/gm)	<100	IS 5887(part 6)

Storage condition & Shelf Life- Shelf life of product ios 18 months when stored at room temperature. The product shall also confirm to any other requirements under the BIS & FASSAI Regulation 2011 as & when recommened.

Packiging:- Bulk pack- SMP kraft paper Bag with LDPE polyliner (25 Kg.)

Tech. Asst.   Microbiologist   Q.C. Supdt.   Project Incharge

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