

<b>A. Product Standards “HIM” SMP:</b>	
Requirements: Standard Grade SMP as per IS: 13334 (Part-I) 1998 and FSSR, 2011 and parameters as given below.	
01. Moisture by mass, max .....	4.0%
02. Total (Milk Solids) , min... ..	96.0%
03. Fat by mass, max. ....	1.5%
04. Insolubility Index, max.....	0.5 ml.
05. Total ash (on dry basis), by mass, max .....	8.2%
06 . Titratable Acidity (as lactic acid), by mass.....	1.0% to 1.5%
07 . Protein, min .....	34%
08 . Total bacterial count per gram, max .....	50,000 cfu
09. Coliform.....	Nil in 0.1
10. Limit of insecticides, pesticides, heavy metals and poisonous metals shall be as per FSSR, '2011 in force.	
11. Flavour of the product of the reconstituted S.M.P (10%) shall be pleasant and clean, free from off flavour and SMP should be free flowing without any lump, shall not have any Salty, bitter, gritty or any abnormal taste.	

### Specification for Whole Milk Powder

Sr. No.	Parameters	HIM Standards
1	Description	Light Yellow / White in colour, free from lumps and free from extraneous matter, added colour and added flavour
2	Flavour	Pleasant and clean flavour, free from off flavour
3	Milk Fat, Percent b mass	Min. 26.0
4	Insolubility Index, ml.	Max. 2.0
5	Moisture, Percent b mass	Max. 4.0
6	Milk Protein in milk solids not Fat, percent b mass	Min. 34.0
7	Total ash on d matter basis %	Max. 7.3
8	Total solids, % b mass	Min. 96.0
9	Titrateable acidity Lactic Acid (LA), % b mass	Max. 1.2
10	Preservatives, Adulterants & Neutralizers	Negative