



The Worldwide Resource...

THE BTTCO OVERSEAS

A GOVT. OF INDIA RECOGNIZED *STAR EXPORT HOUSE*
A D&B CERTIFIED COMPANY - DUNS NUMBER: 87-229-6440

Certificate Of Analysis Sorbitol 70%

Product Name : Sorbitol 70%
Remarks : Our material confirms to the below specification
CAS No : 50-70-4
HS Code : 29054400
Expiry Date : 3 Year from Mfg. Date

Sr.	Parameters	Specification	Result
1	Description (characteristic)	Clear, Colourless, Syrupy Liquid Miscible with water.	Complies
2	Identification (A) HPLC Chromatogram (B) Optical Rotation (C) Clarity@ 25 ^o C	As per test +1.50 ^o to 3.50 ^o Clear syrupy liquid@25 ^o C	Complies 2.38 Complies
3	Appearance of Solution	The solution is clear and colourless	Complies
4	Melting Range: Make sorbitol derivative using Acetic anhydride and pyridine as per IP- 2010 and measure its melting range	Melts at about 100 ^o	102 ^o
5	Conductivity	Maximum 10 $\mu\text{S.cm}^{-1}\text{me}$	2.00 $\mu\text{S.cm}^{-1}$
6	Lead	0.5 ppm (Max)	Complies
7	Nickel	1.0 ppm (Max)	Complies
8	Chloride	50 ppm max	Complies
9	Sulphates	125 ppm max	Complies
10	Arsenic	2 ppm	Complies
11	Heavy metal	10 ppm max	Complies
12	Ethylene glycol	0.1% Max	0.064
13	Diethylene glycol	0.1% Max	Nil
14	Reducing sugar	Not less than 12.8 ml of 0.05m sodium thiosulphate	13.99 ml
15	Reducing sugar after hydrolysis	Not less than 8.0 ml of 0.05m sodium thiosulphate	12.08 ml
16	Sulfated Ash	<0.1%	0.030
17	Water	28.0 to 32.0%	29.90
18	Assay (dry solid)	Anhydrous substance 68 % to 72 m/m	70.10



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19	Assay (as D-Glucitol or D- Sorbitol)	72% to 92.0% as D-Glucitol Or D-Sorbitol (Anhydrous substance)	83.40
20	ph	6.25± 1.25	6.85
21	Total count	200 CFU/ GM Max	50
22	Yeast +Mould	100 CFU /GM Max	20
23	E.Coli	Negative	Negative
24	Salmonella	Negative	Negative