



Certificate of Analysis

Product: SORBITOL 70% - B.P. NON-CRYSTALLIZING GRADE

Batch No.: BN-09431223

Date of Mfg.: 27/12/2023

Expiry Date: 26/12/2028

Batch size Drums (160 x 300 kgs.)

A.R.NO.:S-BN-0943/Q.C./2023

Mfg. Lic. No.: G-1439

SR.NO.	TESTS	LIMITS	OBSERVATION
1.	Characters	A clear, colorless, syrupy liquid, miscible with water	A clear colorless, syrupy liquid, miscible with water
2.	Identification	A The principal peak in the chromatogram obtained with the test solution is similar in retent on time to the principle peak in the chromatogram obtained with reference solution (a) B Angle of rotation is +1.5 to +3.5 C It is clear, syrupy liquid at a temp. of 25 °C	Complies Complies Complies
3.	Appearance of solution	The solution is clear & colorless	Complies
4.	H(50% aqueous solution)	5.0-7.5	5.81
5.	Specific gravity (25 °C)	Min.1.285	1.299
6.	Refractive index(20°C)	1.455-1.465	1.459
7.	Conductivity	NMT 10 s/cm	1.77 gs/cm
8.	Reducing sugars	Maximum 0.2 %	0.177%w/w
9.	Reducing sugars after hydrolysis (Total sugar)	Maximum 9.3%	5.88% w/w
10.	Lead	Maximum 0.5 m	Less than 0.5 m
11.	Heavy Metals	Maximum 10 m	Less than 0.5 m
12.	Arsenic	Maximum 2 m	Less than 1 m
13.	Chloride	Maximum 50 m	Less than 3 m
	Sulfate	Maximum 125 m	Less than 2 m
15.	Nickel	Maximum 1 m	Less than 1 m
16.	Residue on ignition.	Maximum 0.10%w/w	0.0199 % w/w
	Water	Between 28% to 32%	29.43% w/w
18.	Assay: D-glucitol (on anhydrous basis)	Between 72% to 92%	87.43 % w/w
19.	D Substance	Between 68.0% to 72%	70.57 % w/w
20.	Ethylene glycol	Max 0.1%	0.032%
21.	Diethylene glycol	Max 0.1%	Not detected.
22.	Total plate count	<1000 cfu/ml	< 10 cfu/ml
23.	Yeast & mold	< 100 cfu/ml	< 10 cfu/ml