

**KASYAP**SWEETNERS PRIVATE LIMITED
(Formerly known as KASYAP SWEETNERS LIMITED)
SPREADING THE SMILES**CERTIFICATE OF ANALYSIS****SORBITOL Solution 70 % BP - Non Crystallising****Description**

Sorbitol solution is used in a wide variety of oral care, pharmaceutical, soaps, paints, food, confectionary, industrial applications. Typically sorbitol solution is used as a bulking agent, sweeteners, and humectant.

Specification

This product complies with BP requirements for sorbitol solution including :

Batch Details

Batch No..... 2425P353

Date of Mfg.....25/02/2025

No.of Container with Quantity

..... 80 x 300.00 Kgs

Total Quantity

..... 24,000.00 Kgs

Date of Expiry..... 24/02/2030(5 Years from D.O.M.)

Results of Analysis

S. No.	Test	Specification	Results
1	Appearance	Clear,Colourless,Syrupy liquid.	Clear,Colourless,Syrupy liquid
2	Solubility	Miscible with water	Passes the test
3	Identification		
	A. By HPLC	To Pass the test	Passes the test
	B. Optical Rotation	Between +1.5 and +3.5 °	+ 2.13°
	C. Clarity	It is a clear syrupy liquid at 25 ° C	Passes the test
4	Appearance of solution	The solution is clear and colourless	Passes the test
5	Conductivity	Max. 10 $\mu\text{S cm}^{-1}$	1.5 $\mu\text{S cm}^{-1}$
6	Reducing sugars	Not less than 12.8 ml of 0.05 M, Sodium thiosulphate is required	Passes the test
7	Reducing Sugar after hydrolysis	Not less than 8.0 ml of 0.05 M, Sodium thiosulphate is required	Passes the test
8	Lead	Max. 0.5 ppm	Below 0.1 ppm
9	Nickel	Max. 1 ppm	Below 0.1 ppm
10	Water	Between 28.0 % to 32.0 % w/w	30.21 % w/w
11	Assay		
	- anhydrous substance	Between 68.0 to 72.0 % w/w	69.79 % w/w
	- D-glucitol (D-Sorbitol $\text{C}_6\text{H}_{14}\text{O}_6$)	Between 72.0 to 92.0 % w/w on anhydrous basis	85.40 % w/w
	Additional Test		
	Limit of Diethylene glycol and Ethylene glycol (as per IP)		
	Diethylene glycol	Not more than 0.10 %	Not detected
	Ethylene glycol	Not more than 0.10 %	0.0116%

Remarks : The product complies as per above specification

CHECKED BY

Patidar
04/03/25

MANAGER – QUALITY

04/03/25

Chetanya Gram, Badnawar, Dist. Dhar (MP) - 454660. India

T: 91-7295-235100 | www.kasyap.com

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