

**KASYAP**

SWEETNERS PRIVATE LIMITED

(Formerly known as KASYAP SWEETNERS LIMITED)

SPREADING THE SMILES

CERTIFICATE OF ANALYSIS**SORBITOL SOLUTION 70% (NONCRYSTALLIZING)****Description**

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

Batch details :

Batch No.....2526P278

Manufacturing date : 04-January-2026

No. of container with quantity

Batch size66,000.00 kg

Expiry Date : 03-January-2031

.....240 x 275.00 kg

Results of Analysis

S.No.	Test	Specification	Results
1	Description	Clear, colourless, syrupy liquid, Miscible with water	Clear, colourless, syrupy liquid, Miscible with water
2	Identification A) Presence of Sorbitol B) Examine the chromatograms obtained in the Assay C) Limit of Diethylene glycol and Ethylene glycol (i) Diethylene glycol (ii) Ethylene glycol	A deep pink or wine-red color appears The principle peak in the chromatogram obtained with the test solution is similar in retention time to the principle peak in the chromatogram obtained with the reference solution Max. 0.10 % Max. 0.10 %	Passes the test Complies Not Detected 0.0301%
3	Appearance of solution	Clear & colourless	Clear & colourless
4	Conductivity	Max. 10 $\mu\text{S Cm}^{-1}$	2.1 $\mu\text{S Cm}^{-1}$
5	pH (14.0 % sol.)	5.0 to 7.5	6.44
6	Specific Gravity at 25 ° C	Min. 1.280 g / ml	1.2962 g / ml
7	Specific Gravity at 20° C	Min.1.285 g/ml	1.2968 g/ml
8	Refractive index at 20° C	≥ 1.4580	1.4585
9	Reducing sugars	Not less than 12.8 ml of 0.05 N, sodium thiosulphate is required	18.3 ml of 0.05 N sodium thio sulphate is consumed
10	Reducing sugars after Hydrolysis	Not less than 8.0 ml of 0.05 N, sodium thiosulphate is required	15.7 ml of 0.05 N sodium thio sulphate is consumed
11	Lead (Pb)	Max. 0.5 ppm	Less than 0.1 ppm
12	Nickel	Not more than 1.0 ppm	Less than 1 ppm
13	Additional test Arsenic	Less than 2.0 ppm	Less than 2.0 ppm
14	Water content	28.5% to 31.5%	29.81%
15	Content Anhydrous Substance D-Sorbitol (100 % DS) D-Sorbitol (as is)	68.0 to 72.0 % 72.0 to 92.0 % Not less than 45.0 %	70.19% 86.07% 60.41%
16	Residue on ignition	Not more than 0.1 %	0.028%
17	Microbiology Total aerobic microbial count Total Yeast and Molds	Max. 1000 cfu/ml Max. 100 cfu/ml	< 10 cfu/ml < 10 cfu/ml
18	Specific Pathogens - Staphylococcus aureus - Pseudomonas aeruginosa - Salmonella - Escherichia coli - Candida albicans - Bile tolerant gram negative bacteria	Should be absent Should be absent Should be absent Should be absent Should be absent Should be absent	Absent Absent Absent Absent Absent Absent

Remarks : In the opinion of the under signed, the product complies as per USP -NF and In-house specification .

(Shailesh Vyas)
ANALYSED BY
15-01-26(Kirti Kumar Thakur)
MANAGER - QUALITY
15/01/26

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

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

CIN: I124119MH19A6PTC135077