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, sweetners, and humectant.

Batch details :
Batch No.....2526P367
Manufacturing date : 24-March-2026
No. of container with quantity
Batch size .....22,000.00 kg
Expiry Date : 23-March-2031
.....80 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	A deep pink or wine-red color apears	Passes the test
	B) Examine the chromatograms obtained in the Assay	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	Complies
	C) Limit of Diethylene glycol and Ethylene glycol		
	(i) Diethylene glycol	Max. 0.10 %	Not detected
	(ii) Ethylene glycol	Max. 0.10 %	0.0106%
3	Appearance of solution	Clear & colourless	Clear & colourless
4	Conductivity	Max. 10 µS Cm^{-1}	1.3 µS Cm^{-1}
5	pH (14.0 % sol.)	5.0 to 7.5	6.37
6	Specific Gravity at 25 ° C	Min. 1.280 g / ml	1.2960 g / ml
7	Specific Gravity at 20 ° C	Min. 1.285 g / ml	1.2985 g / ml
8	Refractive index at 20 ° C	≥ 1.4580	1.4588
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	15.4 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%	29.06%
15	Content		
	Anhydrous Substance	68.0 to 72.0 %	70.94%
	D-Sorbitol (100 % DS)	72.0 to 92.0 %	85.00%
	D-Sorbitol (as is)	Not less than 45.0 %	60.30%
16	Residue on ignition	Not more than 0.1 %	0.021%
17	Microbiology		
	Total aerobic microbial count	Max. 1000 cfu/ml	< 10 cfu/ml
	Total Yeast and Molds	Max. 100 cfu/ml	< 10 cfu/ml
18	Specific Pathogens		
	- Staphylococcus aureus	Should be absent	Absent
	- Pseudomonas aeruginosa	Should be absent	Absent
	- Salmonella	Should be absent	Absent
	- Escherichia coli	Should be absent	Absent
	- Candida albicans	Should be absent	Absent
	- Bile tolerant gram negative bacteria	Should be 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
03.04.26

(Kirti Kumar Thakur)
MANAGER - QUALITY
03/04/26

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