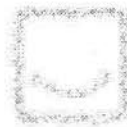


CERTIFICATE OF ANALYSIS



KASYAP
SWEETENERS LIMITED
SPREADING THE SMILES

SORBITOL SOLUTION 70% USP CRYSTALLINE

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.

Batch Details

Batch No. 2223P022

Date of Mfg. 20/04/2022

No. of Container with Quantity

80 x 275.00 Kg

Total Quantity

22,000.00 Kg

Date of Expiry 19/04/2027 (5 Years from D.O.M.)

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	To Pass the test	Passes the test
	B. By HPLC	To Pass the test	Passes the test
	C. Limit of Diethylene glycol and Ethylene glycol		
	Diethylene glycol	Not more than 0.10 %	Not detected
	Ethylene glycol	Not more than 0.10 %	Not detected
3	Appearance of solution	Clear & colourless	Clear & colourless
4	Conductivity	Not more than 10 $\mu\text{S Cm}^{-1}$	3.77 $\mu\text{S Cm}^{-1}$
5	pH (14.0 % solution)	Between 5.0 and 7.5	6.20
6	Specific gravity at 25 deg C	Minimum 1.280 g / ml	1.2955 g / ml
7	Reducing sugars	To Pass the test	Passes the test
8	Reducing sugars after hydrolysis	To Pass the test	Passes the test
9	Lead	Not more than 0.5 ppm	Not detected
10	Nickel	Not more than 1 ppm	Not detected
11	Arsenic	Less than 2.0 ppm	Less than 2 ppm
12	Water	Between 28.5 to 31.5 %	29.68 %
13	Content		
	Anhydrous Substance	Between 68.0 to 72.0 %	70.32 %
	D-Sorbitol (100 % DS)	Between 72.0 to 92.0 %	81.99 %
	D-Sorbitol (as is)	Not less than 45.0 %	57.66 %
14	Residue on ignition	Maximum 0.1 %	0.0250 %
15	Microbiology		
	Total aerobic microbial count	Maximum 500 cfu/ml	< 10 cfu/ml
	Total Yeast & Mould count	Maximum 100 cfu/ml	< 10 cfu/ml
16	Specific Pathogens		
	Staphylococcus aureus	Should be absent	Absent
	Pseudomonas aureuginosa	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: The Product Complies / Does not Complies as per USP - 42 & in house Specification

CHECKED BY

MANAGER - QC

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