

CERTIFICATE OF ANALYSIS

SORBITOL SOLUTION 70% NON CRYSTALLISING - BP

Description

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

Batch Details

Batch No..... 2324P848

Batch size : 24000.00 Kg

Manufacturing date : 26 - Feb - 2024

Expiry date : 25 - Feb - 2029

No. of Container with Quantity.

..... 80 x 300.00 Kg

S. NO	TEST	SPECIFICATION	RESULT
1	Description	Clear, Colourless, Syrupy liquid Miscible with water	Clear, Colourless, Syrupy liquid, Miscible with water
2	Identification A . Examine the Chromatogram Obtained in the Assay	The principal peak in the Chromatogram Obtained with test solution is similar in retention time to the principal peak in the Chromatogram obtained with reference solution (a)	Complies
	B . Optical rotation	Between+ 1.5° and +3.5°	+2.2°
	C . Color & Clarity	It is clear syrupy liquid at 25°C	Passes the test
3	Appearance of solution	Solution is clear & colourless	Solution is clear & colourless
4	Conductivity	Max. 10 µScm ⁻¹	0.2 µScm ⁻¹
5	Reducing sugars	Not less than 12.8ml of 0.05M Sodium Thiosulphate is required .	20.2 ml of 0.05M sodium thio sulphate is consumed
6	Reducing sugars	Max. 0.2% calculated as glucose equivalent	0.13%
7	Reducing Sugar after Hydrolysis	Not less than 8.0 ml of 0.05M Sodium thio sulphate is required.	10.7 ml of 0.05M sodium thio sulphate is consumed
8	Reducing Sugar after Hydrolysis	Max. 9.3% calculated as glucose equivalent	7.0%
9	Water	28.0% to 32.0%	29.0%
10	Assay Anhydrous Substance D - Sorbitol (by HPLC) (as on anhydrous basis)	68.0% to 72.0% 72.0% to 92.0%	71.0% 84.1%
11	Additional test Diethylene Glycol and Ethylene Glycol (1) Diethylene Glycol (2) Ethylene Glycol	NMT. 0.10 % NMT. 0.10 %	Not detected Not detected