



Gujarat Ambuja Exports Ltd
Biochemical Division
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INDIA

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Material: Sorbitol solution 70% IP (Non-Crystallizing)		Analytical Report NO: GAEL/SB/22-23/214	
		Dispatch Date:	25.02.2023
Batch No:	SB 214	Dispatch Qty:	45 Drums
Manufacturing Date:	08/02/23	Batch Size:	150 Drums
Expiry Date:	5 Years from Manufacturing	Packing:	300 kg HDPE Drums
Analysis Completed on:	13/02/23		

S. No	Test	Observations	Limits
1	DESCRIPTION	Complies	A clear, colourless or faintly yellow, syrupy liquid
2	SOLUBILITY	Complies	Miscible with water, with glycerin and with 1,2-propanediol
3	IDENTIFICATION (A)HPLC chromatogram	Complies	Corresponds to principal peak of reference solution(a)
	(B)Optical Rotation	+1.95°	+1.50° to +3.50°
	(C) Clarity @25° C	Clear	It is clear Syrupy liquid
4	APPEARANCE OF SOLUTION	Clear and colourless	A 14.0% w/v solution in water is clear and colorless
5	CONDUCTIVITY	1.60	NMT 10 µS/cm, measured on undiluted liquid sorbitol while gently stirring with a magnetic stirrer
6	REDUCING SUGARS	0.145%	NMT 0.2%, calculated as glucose equivalent and NLT 12.8 ml of 0.05M Sodium thio-sulphate
7	REDUCING SUGARS AFTER HYDROLYSIS	5.32%	NMT 9.3%, calculated as glucose equivalent and NLT 8.0 ml of 0.05M Sodium thio-sulphate
8	LEAD	Complies	NMT 0.5 ppm
9	NICKEL	Complies	NMT 1 ppm
10	WATER	29.60	28.0% to 32.0%
11	ASSAY:		
	(I) ANHYDROUS SUBSTANCE	70.40	68.0% to 72.0%
	(II) D-GLUCITOL	77.87	72.0% to 92.0% w/w of D-glucitol, calculated on the anhydrous basis by Liquid Chromatography
12	Total Aerobic Viable Count	75	1000 cfu/g maximum
13	Total Fungal Count	Less than 10	100 cfu/g maximum

Remarks: Material complies with required specification

Storage: Store in tightly closed containers/ Protected from moisture

Analyzed by

Approved Chemist

Head Q.A

