

**Material: Sorbitol solution 70%
(Non-Crystallizing)**

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	+2.10 ⁰	+1.50 ⁰ to +3.50 ⁰
	(C) Clarity @25 ⁰ 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	1.10	NMT 10 μS/cm, measured on undiluted liquid sorbitol while gently stirring with a magnetic stirrer
6	REDUCING SUGARS	0.149%	NMT 0.2%, calculated as glucose equivalent and NLT 12.8 ml of 0.05M Sodium thio-sulphate
7	REDUCING SUGARS AFTER HYDROLYSIS	5.58%	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	30.20	28.0% to 32.0%
11	ASSAY:		
	(I) ANHYDROUS SUBSTANCE	69.80	68.0% to 72.0%
	(II) D-GLUCITOL	79.86	72.0% to 92.0% w/w of D-glucitol, calculated on the anhydrous basis by Liquid Chromatography
12	Total Aerobic Viable Count	45	1000 cfu/g maximum
13	Total Fungal Count	Absent	100 cfu/g maximum

Remarks: Material complies with required specification

Storage: Store in tightly closed containers/ Protected from moisture