

# Shandong Jianyihong Bio-pharmaceutical Co.,Ltd

## Certificate of Analysis

Product Name		Sorbitol	Lot NO.	2025101048
Production Date		2025.10.10	Analysis Date	2025.10.11
Report Date		2025.10.18	Expiry date	2027.10.09
Sampling basis		FCCVIII, E420(i)	Quantity	14.4T
Test Items		Test Specification	Test Result	Item conclusion
Net content		JJF1070-2023	25kg	Pass
Identification	Solubility	Very soluble in water, slightly soluble in ethanol	Very soluble in water, slightly soluble in ethanol	Pass
	Melting range	88-120°C	97.1 °C	Pass
	Sorbitol monobenzylidene derivative	To 5 g of the sample add 7 ml of methanol, 1 ml of benzaldehyde and 1 ml of hydrochloric acid. Mix and shake in a mechanical shaker until crystals appear. Filter with the aid of suction, dissolve the crystals in 20 ml of boiling water containing 1 g of sodium bicarbonate, filter while hot, cool the filtrate, filter with suction, wash with 5 ml of methanol-water mixture (1 in 2) and dry in air. The crystals so obtained melt between 173 and 179 °C.	178 °C	Pass
Appearance		White crystals	White crystals	Pass
Appearance of the aqueous solution		The solution is clear	The solution is clear	Pass
Assay (Sorbitol )		91.0%-100.5%	98.28%	Pass
Total Sugar (expressed as glucose on dry weight basis)		≤1%	0.14%	Pass
Water content		≤1.5%	0.27%	Pass
Sulphated ash (expressed on dry weight basis)		≤0.1%	0.01%	Pass
Reducing Sugar (expressed as glucose on dry weight basis)		≤0.3%	0.04%	Pass
PH (50% solution)		3.5-7.0	4.89	Pass
Residue on ignition		≤0.1%	0.01%	Pass
Lead (expressed on dry weight basis)		≤1 mg/kg	<1 mg/kg	Pass
Nickel(expressed on dry weight basis)		≤2 mg/kg	<2 mg/kg	Pass
Heavy metal(as Pb)		≤5 ppm	<5 ppm	Pass
Arsenic(expressed on dry weight basis)		≤3 mg/kg	<3 mg/kg	Pass
Chloride(expressed on dry weight basis)		≤50 mg/kg	<50 mg/kg	Pass
Sulphates		≤100 mg/kg	<100 mg/kg	Pass
Coliform		Negative	Negative	Pass
Salmonella		Negative	Negative	Pass
Colon bacillus		Negative in 1g	Negative in 1g	Pass
Total plate count		≤1000 cfu/g	<10 cfu/g	Pass
Yeast &Mold		≤100 cfu/g	<10 cfu/g	Pass
Conductivity (at a temperature of 20 °C)		≤10 μS/cm	0.86	Pass
Mesh size		40-80 mesh	40-80mesh	Pass
--Above--				
Testing Standard		FCCVIII, E420(i)		
Remark		Compliant with standard regulations <input checked="" type="checkbox"/> Not in compliance with standard regulations <input type="checkbox"/>		

Inspector:

李佳

Stamp:



Leader:

