

SHANDONG LUJIAN BIOLOGICAL TECHNOLOGY CO., LTD.
 Add: yucheng high-tech development zone Shandong China

Certificate of Analysis

Batch No.:2024032313

Product Name	D-Sorbitol powder	Product date	Mar. 23,2024
Analysis date	Apr. 01,2024	Expiry date:	Mar. 22,2026
ITEM	STANDARD E420(i) comply with 231/2012/EU	RESULT	
Identification	Meets the requirement	Confirm	
Solubility	Very soluble in water,slightly soluble in ethanol		
Melting Range	88 ℃ to 102 ℃		
Conductivity	Not more than 20 μS / cm (in 20% dry substance solution) at 20℃		
Sorbitol Monobenzyldene Derivative	To 5g of the sample add 7ml of methanol, 1ml 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 20ml of boiling water containing 1g of sodium bicarbonate,filter while hot,cool the filtrate, filter with suction, wash with 5ml of methanol-water mixture(1 in 2) and dry in air.The crystals so obtained melt between 173 and 179 ℃		
Appearance	White powder 20-40 mesh		
Appearance of the aqueous solution	The solution is clear	Conform	
Sorbitol as dry basis %	≥ 98	98.1	
Moisture%	≤1.5	0.21	
D-Mannitol by weight calculated as D Sorbitol , %	≤1	0.8	
Identification:FT-IR960469)	Matches ≥90	>90	
Reducing Sugar %	≤0.3	0.02	
Residue on ignition , %	≤0.1	0.03	
Total Sugar %	≤0.5	0.23	
Burning Residue %	≤0.1	0.03	
SO ₂ , mg/kg	≤10	< 10	
PH	3.5-7	5.7	
Pb	≤1ppm	<1ppm	
Ni	≤1ppm	<1ppm	
As	≤1ppm	<1ppm	
Cd	≤0.5ppm	<0.5ppm	
Hg	≤1ppm	<1ppm	
Chloride	≤50ppm	<50ppm	
Sulphate	≤50ppm	<50ppm	
Total Plate Count /1g	≤1000cfu/g	<1000cfu/g	
Yeast Count /1g	≤100cfu/g	<10cfu/g	
Mold Count 1/g	≤100cfu/g	<10cfu/g	
Salmonella/25g	Absence	Absence	
Staphylococcus aureus/25g	Absence	Absence	
Escherichia coli/1g	Absence	Absence	
Colon bacillus/1g	Absence	Absence	

Inspector: Song Wei



Leader:

张霞印