

Certificate of Analysis

Product: Mannitol, Powder
Item Number: MANPU
Grade: USP
Lot Number: 5001880/1.1
Manufacture Date: 05/19/2025
Expiration Date: 05/18/2027
Country of Origin: United States

Tested Property	Specification	Analysis
Appearance	White or almost white powder or crystal	White Crystal
Identification: Infrared absorption spect.	Conforms to spectra	Conforms
Assay	97.0 - 102.0%	99.8
Sorbitol	Max 2.0%	0.2
Sum of Maltitol & Isomalt	Max 2.0%	Not detected
Total Impurities	Max 2.0%	0.2
Reducing sugars	Max 0.1%	<0.1
Nickel	≤1µg/g	<1
Melting point	165 - 170°C	166 - 168°
Appearance of solution	Clear and Colorless	Pass
Loss on drying	Max 0.5%	0.1
Conductivity	Max 20 µS/cm	3.1
Microbial Contamination, TAMC	Max 1000 CFU/g	10
Microbial Contamination, TYMC	Max 100 CFU/g	10
Absence of Escherichia Coli	Negative	Negative
Bacterial Endotoxins	Max 2.5 IU/g	<2.5
Residual Solvents, USP <467>	None	Conforms

Store in a cool, dry, and well-ventilated environment.
 CAS RN: 64-65-8

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