LAB ALLEY
ESSENTIAL CHEMICALS

Certificate of Analysis

Product: Mannitol, Powder, USP Grade
Item Number: MANPU
CAS#: 69-65-8
Grade: USP
Lot Number: 5002385/1.1
Manufacture Date: 05/19/2025
Expiration Date: 05/18/2028
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	≤1 µg/g	<1
Melting point	165 - 170°C	166 - 168°C
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
Unspecified Impurities	Max 0.10%	Not detected

Store in a cool, dry, and well-ventilated environment.

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Mannitol, Powder, USP Grade

Note: The information and recommendations of Lab Alley concerning this product are based upon laboratory tests and experience. To the best of our knowledge and belief these are true and accurate, however Lab Alley assumes no obligation or liability for the information in this document. Since conditions of actual use are beyond our control, any recommendations or suggestions regarding merchantability and fitness for particular purposes are made without warranty, expressed or implied.

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