

**Certificate of Analysis**

**Product: Mannitol, Powder**  
**Item Number: MANPU**  
**Grade: USP**  
**Lot Number: 5001220/1.1**  
**Manufacture Date: 02/15/2025**  
**Expiration Date: 02/14/2028**  
**Country of Origin: China**

<b>Tested Property</b>	<b>Specification</b>	<b>Analysis</b>
Appearance	White or almost white powder or crystal	White Crystal
Identification by IR	Conforms to spectra	Conforms
Assay	97.0 - 102.0%	99.8%
Sorbitol	Max 2.0%	0.3%
Sum of Maltitol & Isomalt	Max 2.0%	Not detected
Total Impurities	Max 2.0%	0.3%
Reducing sugars	Max 0.1%	<0.1%
Nickel	<0.1 $\frac{1}{4}$ g/g	<1ug/g
Melting point	165 - 168°C	Pass
Appearance of solution	Clear and Colorless	Pass
Loss on drying	Max 0.5%	0.1%
Conductivity	Max 20 uS/cm	2.3 uS/cm
Microbial Contamination, TAMC	Max 1000 CFU/g	<10 CFU/g
Microbial Contamination, TYMC	Max 100 CFU/g	10 CFU
Absence of Escherichia Coli	Negative	Negative
Bacterial Endotoxins	Max 2.5 IU/g	<2.5
Residual Solvents, USP <467>	None	Conforms

[Mannitol, Powder](#)

Note: The information and recommendations of Lab Alley concerning this product are based upon laboratory

Phone: 512-668-9918, Fax: 512-886-4008,  
 E-mail: [customercare@laballey.com](mailto:customercare@laballey.com),  
[www.laballey.com](http://www.laballey.com),

12501 Pauls Valley Road, Suite A, Austin, Texas 78737.

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Phone: 512-668-9918, Fax: 512-886-4008,  
E-mail: [customercare@laballey.com](mailto:customercare@laballey.com),  
[www.laballey.com](http://www.laballey.com),

12501 Pauls Valley Road, Suite A, Austin, Texas 78737.

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