

## Certificate of Analysis

Date of Testing: 2023-05-15 09:00:13  
Date of Next Testing: 2025-05-04 09:00:13  
Product Name: **Mannitol**  
CAS Number: 69-65-8  
Specifications & Purity: analytical standard , >99.9999%  
Lot #: H2125210  
SKU #: **M108831**  
Analysis: **223181**

Parameter	Limit Values	Result
Total Metallic Impurities	0-1 (ppm)	0.53 ppm
Purity(Based On Trace Metals Analysis)	99.9999-100 (%)	100.00 %
Specific Rotation $[\alpha]_{25/D}(c=1$ in 1%acidified Molybdate&H <sub>2</sub> SO <sub>4</sub>	137-145 (°)	137.03°
Melting point	165-167 (°C)	165.60000 °C
Purity(HPLC)	99-100 (%)	99.95500 %
Appearance (M108831)	Colorless or White Powder	Colorless or White Powder



John Su  
QA & QC Manager