

## Certificate of Analysis

Date of Testing: 2022-06-15 15:07:19  
Date of Next Testing: 2024-06-04 15:07:19  
Product Name: **Mannitol**  
CAS Number: 69-65-8  
Specifications & Purity: analytical standard , >99.9999%  
Lot #: F2210031  
SKU #: **M108831**  
Analysis: **100751**

Parameter	Limit Values	Result
Total Metallic Impuritie	0-1 (ppm)	1.00 ppm
Purity(Based On Trace Metals Analysis)	99.9999-100 (%)	100.00 %
Specific Rotation[a] <sub>25</sub> /D(c=1 in 1%acidified Molybdate&H <sub>2</sub> SO <sub>4</sub> )	137-145 (°)	142.95 °
Melting point	165-167 (°C)	166.98000 °C
Purity(HPLC)	99-100 (%)	99.16000 %
Appearance (M108831)	Colorless or White Powder	Colorless or White Powder



John Su  
QA & QC Manager