

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-03-04 15:25:50  
Date of Next Testing: 2025-02-21 15:25:50  
Product Name: **Mannitol**  
CAS Number: 69-65-8  
Specifications & Purity: analytical standard , >99.9999%  
Lot #: B2327456  
SKU #: **M108831**  
Analysis: **195218**

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{25}^D(c=1 \text{ in } 1\% \text{ acidified Molybdate \& H}_2\text{SO}_4)$	137-145 (°)	138.28°
Melting point	165-167 (°C)	166.00000 °C
Purity(HPLC)	99-100 (%)	99.80800 %
Purity(Based On Trace Metals Analysis)	99.9999-100 (%)	100.00 %
Total Metallic Impuritie	0-1 (ppm)	1.00 ppm
Appearance (M108831)	Colorless or White Powder	Colorless or White Powder



John Su  
QA & QC Manager