

## Certificate of Analysis

Date of Testing: 2024-05-28 10:08:32  
Date of Next Testing: 2028-05-27 10:08:32  
Product Name: **Mannitol**  
CAS Number: 69-65-8  
Specifications & Purity:  $\geq 99.9999\%$  metals basis  
Lot #: E2427410  
SKU #: **M108830**  
Version: **2**  
Analysis #: **362279**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(Based On Trace Metals Analysis)	99.9999-100 (%)	100.00 %
assay(total isomers) (HPLC)	99-100 (%)	99.11 %
Specific Rotation $[\alpha]_{25}^D(c=1 \text{ in } 1\% \text{ acidified Molybdate \& H}_2\text{SO}_4)$	137-145 (°)	144.80 °
Trace Metals Analysis	0-1 (ppm)	0.20000 ppm
Appearance (M108830)	White Powder or Crystals	White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager