

## Certificate of Analysis

Date of Testing: 2022-11-17 12:17:04  
Date of Next Testing: 2026-11-16 12:17:04  
Product Name: **Mannitol**  
CAS Number: 69-65-8  
Specifications & Purity: Analytical Reagent,98.0%  
Lot #: K2215859  
SKU #: **M108828**  
Analysis: **156838**

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{25}^D(c=1 \text{ in } 1\% \text{ acidified Molybdate \& H}_2\text{SO}_4)$	137-145 (°)	143.10 °
Melting point	166-170 (°C)	169.93000 °C
Purity(Iodometric Titration)	97.5-102.5 (%)	99.85 %
Appearance (M108828)	White Powder or Crystals	White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O	Almost transparency	almost transparency



John Su  
QA & QC Manager