

## Certificate of Analysis

Date of Testing: 2024-01-17 16:27:06  
Date of Next Testing: 2028-01-16 16:27:06  
Product Name: **Mannitol**  
CAS Number: 69-65-8  
Specifications & Purity: Analytical Reagent,98.0%  
Lot #: A2410281  
SKU #: **M108828**  
Analysis: **315519**

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{25}^D(c=1 \text{ in } 1\% \text{ acidified Molybdate \& H}_2\text{SO}_4)$	137-145 (°)	139.43 °
Melting point	166-170 (°C)	168.71000 °C
Purity(Iodometric Titration)	97.5-102.5 (%)	102.48 %
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