

## Certificate of Analysis

Date of Testing: 2024-09-03 13:54:02  
Date of Next Testing: 2028-09-02 13:54:02  
Product Name: **Mannitol**  
CAS Number: 69-65-8  
Specifications & Purity: Analytical Reagent,98.0%  
Lot #: H2429145  
SKU #: **M108828**  
Version: **0**  
Analysis #: **406607**

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{25}^D$ (c=1 in 1%acidified Molybdate&H <sub>2</sub> SO <sub>4</sub> )	137-145 (°)	142.76 °
Melting point	166-170 (°C)	168.21000 °C
Purity(Iodometric Titration)	97.5-102.5 (%)	99.96 %
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