

## Certificate of Analysis

Date of Testing: 2021-12-17 11:45:18  
Date of Next Testing: 2025-12-16 11:45:18  
Product Name: **Mannitol**  
CAS Number: 69-65-8  
Specifications & Purity: Analytical Reagent,98.0%  
Lot #: L2115299  
SKU #: **M108828**  
Analysis: **059266**

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{25}^D(c=1 \text{ in } 1\% \text{ acidified Molybdate \& H}_2\text{SO}_4)$	137-145 (°)	137.03 °
Melting point	166-170 (°C)	169.08000 °C
Purity(Iodometric Titration)	97.5-102.5 (%)	99.95 %
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