

## Certificate of Analysis

Date of Testing: 2025-08-15 11:13:05  
Date of Next Testing: 2029-08-14 11:13:05  
Product Name: **Mannitol**  
CAS Number: 69-65-8  
Specifications & Purity: AR, ≥98%  
Lot #: H2508402  
SKU #: **M108828**  
Version: **0**  
Analysis #: **561099**

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{25/D}(c=1 \text{ in } 1\% \text{ acidified Molybdate \& H}_2\text{SO}_4)$	137-145 (°)	140.75 °
Melting point	166-170 (°C)	168.96000 °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