

Certificate of Analysis

Date of Testing: 2023-12-26 11:08:38
Date of Next Testing: 2027-12-25 11:08:38
Product Name: **Mannitol**
CAS Number: 69-65-8
Specifications & Purity: Analytical Reagent,98.0%
Lot #: L2321372
SKU #: **M108828**
Analysis: **308948**

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{25}^D(c=1 \text{ in } 1\% \text{ acidified Molybdate \& H}_2\text{SO}_4)$	137-145 (°)	142.11 °
Melting point	166-170 (°C)	169.93000 °C
Purity(Iodometric Titration)	97.5-102.5 (%)	99.06 %
Appearance (M108828)	White Powder or Crystals	White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O	Almost transparency	almost transparency



John Su
QA & QC Manager