

Certificate of Analysis

Date of Testing: 2024-05-07 10:48:46
Date of Next Testing: 2028-05-06 10:48:46
Product Name: **Mannitol**
CAS Number: 69-65-8
Specifications & Purity: Analytical Reagent,98.0%
Lot #: D2429322
SKU #: **M108828**
Analysis: **354687**

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{25}^D(c=1 \text{ in } 1\% \text{ acidified Molybdate \& H}_2\text{SO}_4)$	137-145 (°)	144.80°
Melting point	166-170 (°C)	168.72000 °C
Purity(Iodometric Titration)	97.5-102.5 (%)	99.11%
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