

Certificate of Analysis

Date of Testing: 2024-09-23 11:09:47

Date of Next Testing: 2028-09-22 11:09:47

Product Name: **Mannitol**

CAS Number: 69-65-8

Specifications & Purity: Analytical Reagent, 98.0%

Lot #: I2418685

SKU # **M108828**

Version **0**

Analysis #: **413965**

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{25/D}(c=1 \text{ in } 1\% \text{ acidified Molybdate \& } H_2SO_4)$	137-145 (°)	144.89 °
Melting point	166-170 (°C)	168.12000 °C
Purity(Iodometric Titration)	97.5-102.5 (%)	99.61 %
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