

Certificate of Analysis

Date of Testing: 2024-11-15 13:49:52

Date of Next Testing: 2028-11-14 13:49:52

Product Name: **Mannitol**

CAS Number: 69-65-8

Specifications & Purity: AR, ≥98%

Lot #: K2406408

SKU #: **M108828**

Version **0**

Analysis #: **433557**

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{25/D}(c=1 \text{ in } 1\% \text{ acidified Molybdate \& H}_2\text{SO}_4)$	137-145 (°)	142.81°
Melting point	166-170 (°C)	167.89000 °C
Purity(Iodometric Titration)	97.5-102.5 (%)	99.44 %
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