

Certificate of Analysis

Date of Testing: 2024-12-19 10:14:55

Date of Next Testing: 2028-12-18 10:14:55

Product Name: **Mannitol**

CAS Number: 69-65-8

Specifications & Purity: AR, ≥98%

Lot #: L2416551

SKU #: **M108828**

Version **0**

Analysis #: **452316**

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{25/D}(c=1 \text{ in } 1\% \text{ acidified Molybdate \& H}_2\text{SO}_4)$	137-145 (°)	139.37 °
Melting point	166-170 (°C)	169.33000 °C
Purity(Iodometric Titration)	97.5-102.5 (%)	99.65 %
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