

Certificate of Analysis

Date of Testing: 2024-10-26 15:48:51

Date of Next Testing: 2028-10-25 15:48:51

Product Name: **Mannitol**

CAS Number: 69-65-8

Specifications & Purity: AR, ≥98%

Lot #: J2423442

SKU #: **M108828**

Version: **0**

Analysis #: **336749**

Parameter	Limit Values	Result
Purity(Iodometric Titration)	97.5-102.5 (%)	98.91 %
Melting point	166-170 (°C)	167.55400 °C
Specific Rotation $[\alpha]_{25/D}(c=1 \text{ in } 1\% \text{ acidified Molybdate \& H}_2\text{SO}_4)$	137-145 (°)	140.36 °
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