

Certificate of Analysis

Date of Testing: 2025-05-13 14:37:01
Date of Next Testing: 2029-05-12 14:37:01
Product Name: **Mannitol**
CAS Number: 69-65-8
Specifications & Purity: AR, ≥98%
Lot #: E2509289
SKU #: **M108828**
Version: **0**
Analysis #: **513351**

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{25/D}(c=1 \text{ in } 1\% \text{ acidified Molybdate \& H}_2\text{SO}_4)$	137-145 (°)	137.46 °
Melting point	166-170 (°C)	168.80000 °C
Purity(Iodometric Titration)	97.5-102.5 (%)	99.78 %
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