

Certificate of Analysis

Date of Testing: 2023-03-04 15:19:57
Date of Next Testing: 2027-03-03 15:19:57
Product Name: **Mannitol**
CAS Number: 69-65-8
Specifications & Purity: Analytical Reagent,98.0%
Lot #: B2327407
SKU #: **M108828**
Analysis: **194173**

| Parameter | Limit Values | Result |
|--|--------------------------|--------------------------|
| Specific Rotation $[\alpha]_{25}^D(c=1 \text{ in } 1\% \text{ acidified Molybdate \& H}_2\text{SO}_4)$ | 137-145 (°) | 138.28 ° |
| Melting point | 166-170 (°C) | 169.40000 °C |
| Purity(Iodometric Titration) | 97.5-102.5 (%) | 99.81 % |
| 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