

## Certificate of Analysis

Date of Testing: 2023-08-17 15:03:06  
Date of Next Testing: 2027-08-16 15:03:06  
Product Name: **Mannitol**  
CAS Number: 69-65-8  
Specifications & Purity: Analytical Reagent,98.0%  
Lot #: H2312168  
SKU #: **M108828**  
Analysis: **265465**

| Parameter  | Limit Values             | Result                   |
|--|--------------------------|--------------------------|
| Specific Rotation $[\alpha]_{25}^D(c=1 \text{ in } 1\% \text{ acidified Molybdate \& H}_2\text{SO}_4)$ | 137-145 (°)              | 137.55 °                 |
| Melting point  | 166-170 (°C)             | 169.08000 °C             |
| Purity(Iodometric Titration)   | 97.5-102.5 (%)           | 99.72 %                  |
| Appearance (M108828)   | White Powder or Crystals | White Powder or Crystals |
| Infrared spectrum  | Conforms to Structure    | Conforms to Structure    |
| Solubility in H <sub>2</sub> O   | Almost transparency      | almost transparency      |



John Su  
QA & QC Manager