

## Certificate of Analysis

Date of Testing: 2024-12-19 16:03:23

Date of Next Testing: 2028-12-18 16:03:23

Product Name: **Mannitol**

CAS Number: 69-65-8

Specifications & Purity: AR, ≥98%

Lot #: L2416550

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 <sub>2</sub> O                                                                         | Almost transparency      | almost transparency      |



John Su  
QA & QC Manager