

## Certificate of Analysis

Date of Testing: 2024-09-23 10:56:05

Date of Next Testing: 2028-09-22 10:56:05

Product Name: **Mannitol**

CAS Number: 69-65-8

Specifications & Purity: Analytical Reagent, 98.0%

Lot #: I2418501

SKU #: **M108828**

Version **0**

Analysis #: **414382**

| Parameter                                                                                              | Limit Values             | Result                   |
|--------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|
| Specific Rotation $[\alpha]_{25/D}(c=1 \text{ in } 1\% \text{ acidified Molybdate \& H}_2\text{SO}_4)$ | 137-145 (°)              | 144.98 °                 |
| Melting point                                                                                          | 166-170 (°C)             | 168.12000 °C             |
| Purity(Iodometric Titration)                                                                           | 97.5-102.5 (%)           | 99.61 %                  |
| 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      |



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