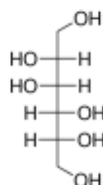


## Certificate of Analysis

Product Name:

D-Mannitol - ≥98% (GC)

**Product Number:** M4125  
**Batch Number:** WXB6383V  
**Brand:** SIAL  
**CAS Number:** 69-65-8  
**Formula:** C<sub>6</sub>H<sub>14</sub>O<sub>6</sub>  
**Formula Weight:** 182,17 g/mol  
**Quality Release Date:** 19 JUN 2025  
**Recommended Retest Date:** JUN 2031



| Test                                  | Specification         | Result    |
|---------------------------------------|-----------------------|-----------|
| Appearance (Color)                    | White                 | White     |
| Appearance (Form)                     | Pow der               | Pow der   |
| Solubility (Colour)                   | Colorless             | Colorless |
| Solubility (Turbidity)                | Clear                 | Clear     |
| 100 mg/mL , H <sub>2</sub> O          |                       |           |
| Specific Rotation                     | 137 - 145 deg         | 141 deg   |
| C= 1 in acidified Molybdate, 25 Deg C |                       |           |
| Proton NMR spectrum                   | Conforms to Structure | Conforms  |
| Purity (GC)                           | ≥ 98 %                | 99 %      |

Kang Chen  
Quality Manager  
Wuxi , China CN

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

