

Certificate of Analysis

Date of Testing: 2024-07-16 11:40:10
Date of Next Testing: 2028-07-15 11:40:10
Product Name: **D-(+)-Mannose**
CAS Number: 3458-28-4
Specifications & Purity: for cell culture, ≥99%
Lot #: I2015130
SKU #: **M113093**
Version: **1**
Analysis #: **388444**
Storage Temperature: Argon charged

| Parameter | Limit Values | Result |
|---|---------------------------|---------------------------|
| Purity(HPLC) | 99-100 (%) | 99.70000 % |
| Specific Rotation [α] ₂₅ /D(c=4 in H ₂ O in stand for 24 hours) | 13.5-14.9 (°) | 14.23° |
| Appearance (M113093) | White to Off-White Powder | White to Off-White Powder |
| Cell Culture Test | pass | Pass |
| Carbon NMR Spectrum | Conforms to Structure | Conforms to Structure |
| Solubility in H ₂ O , Colorless to Faint Yellow, Clear ,50 mg/ml | pass | Pass |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |



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