

Shanghai Aladdin Biochemical Technology Co., LTD
809 Chuhua Branch Road, Fengxian District, Shanghai 201400, China

Certificate of Analysis

Date of Testing: 2023-02-16 15:16:38
Date of Next Testing: 2027-02-15 15:16:38
Product Name: **D-(+)-Mannose**
CAS Number: 3458-28-4
Specifications & Purity: for cell culture, ≥99%
Lot #: B2307146
SKU #: **M113093**
Analysis: **188634**

Parameter	Limit Values	Result
Purity(HPLC)	99-100(%)	99.07200 %
Specific Rotation [α] ₂₅ /D(c=4 in H ₂ O in stand for 24 hours)	13.5-14.9 (°)	13.51600 °
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



John Su
QA & QC Manager