

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

Certificate of Analysis

Date of Testing: 2023-05-30 15:44:04
Date of Next Testing: 2027-05-29 15:44:04
Product Name: **D-(+)-Mannose**
CAS Number: 3458-28-4
Specifications & Purity: for cell culture, ≥99%
Lot #: E2325815
SKU #: **M113093**
Analysis: **220422**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.90100 %
Specific Rotation $[\alpha]_{25/D}(c=4 \text{ in H}_2\text{O in stand for 24 hours})$	13.5-14.9 (°)	14.51300°
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