

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-08-21 15:11:51

Date of Next Testing: 2027-08-21 15:11:51

Product Name: **D-(+)-Mannose**

CAS Number: 3458-28-4

Specifications & Purity: Moligand™, ≥99%

Lot #: H2513059

SKU #: **M103969**

Version: **1**

Analysis #: **377642**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.77800 %
Heavy metal (as Pb)	0-10 (ppm)	0.00000 ppm
Specific Rotation [α] _{20/D} (c=2 in H ₂ O)	13.7-14.7 (°)	14.47700 °
Loss on drying	0-0.45 (%)	0.00000 %
Appearance (M103969)	White to Off-White Solid, Powder, or Crystals	White to Off-White Solid, Powder, or Crystals
¹³ C NMR Spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O, Colorless to Faint Yellow, Clear, 50 mg/ml H ₂ O	pass	Pass



John Su
QA & QC Manager