

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-04-17 13:37:27
 Date of Next Testing: 2025-04-06 13:37:27
 Product Name: **D-(+)-Mannose**
 CAS Number: 3458-28-4
 Specifications & Purity: Moligand™, analytical standard
 Lot #: G2115300
 SKU #: **M103970**
 Version: **0**
 Analysis #: **212408**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Specific Rotation [α] _{25/D} (c=4 in H ₂ O after 24hr)	13.5-14.9 (°)	13.92000°
Purity (HPLC)	99.5-100 (%)	99.60000%
Appearance (M103970)	White to Off-White Powder or Solid or Chunks	White to Off-White Powder or Solid or Chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager