

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-09-29 16:07:06

Date of Next Testing: 2026-09-28 16:07:06

Product Name: **L-(-)-Mannose**

CAS Number: 10030-80-5

Specifications & Purity: $\geq 99\%$

Lot #: I2224266

SKU # **M120942**

Version **0**

Analysis #: **115177**

Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$	-15.5--13.5 (°)	-14.18600 °
Purity(HPLC)	99-100 (%)	99.75300 %
Appearance (M120942)	White to Off-White Powder	White to Off-White Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
NMR (1H-NMR)	complies	complies
TLC Analysis	One spot	One spot



John Su
QA & QC Manager