

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-01-28 14:11:43

Date of Next Testing: 2027-01-27 14:11:43

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

CAS Number: 10030-80-5

Specifications & Purity: $\geq 99\%$

Lot #: A2312139

SKU #: **M120942**

Version: **0**

Analysis #: **172877**

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

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.75200 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$	-15.5--13.5 (°)	-15.48000 °
Appearance (M120942)	White to Off-White Powder	White to Off-White Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
TLC Analysis	One spot	One spot
NMR (1H-NMR)	complies	complies



John Su
QA & QC Manager