

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-01-28 14:32:28
 Date of Next Testing: 2027-01-27 14:32:28
 Product Name: **L-(-)-Mannose**
 CAS Number: 10030-80-5
 Specifications & Purity: $\geq 99\%$
 Lot #: A2312107
 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