

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-11-29 11:55:40
 Date of Next Testing: 2029-11-28 11:55:40
 Product Name: **Methyl α -D-mannopyranoside**
 CAS Number: 617-04-9
 Specifications & Purity: $\geq 99\%$
 Lot #: K2527377
 SKU #: **M111852**
 Version: **0**
 Analysis #: **609018**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D(c=4 \text{ in H}_2\text{O})}$	77-82 (°)	77.88900 °
Purity(HPLC)	99-100 (%)	99.66600 %
Melting point	192-196 (°C)	195.04000 °C
Water by Karl Fischer	0-0.5 (%)	0.25000 %
mannose (TLC, HPLC)	0-0.5 (%)	0.23000 %
Appearance (M111852)	white to grey powder or crystals and/or chunks	white to grey powder or crystals and/or chunks
Solubility in H ₂ O , Colorless to Faint Yellow ,Clear,100 mg/mL	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager