

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-05-06 18:34:05
 Date of Next Testing: 2029-05-05 18:34:05
 Product Name: **Methyl α -D-mannopyranoside**
 CAS Number: 617-04-9
 Specifications & Purity: $\geq 99\%$
 Lot #: D2526031
 SKU #: **M111852**
 Version: **0**
 Analysis #: **096788**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D(c=4 \text{ in H}_2\text{O})}$	77-82 (°)	79.27300 °
Purity(HPLC)	99-100 (%)	99.84600 %
Melting point	192-196 (°C)	195.68000 °C
Water by Karl Fischer	0-0.5 (%)	0.31000 %
mannose (TLC, HPLC)	0-0.5 (%)	0.27000 %
Appearance (M111852)	white to grey powder or crystals and/or chunks	white to grey powder or crystals and/or chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless to Faint Yellow ,Clear,100 mg/mL	pass	Pass



John Su
QA & QC Manager