

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-02-10 21:39:26
 Date of Next Testing: 2027-02-09 21:39:26
 Product Name: **Methyl α -D-mannopyranoside**
 CAS Number: 617-04-9
 Specifications & Purity: 99%
 Lot #: B23081040
 SKU #: **M111852**
Analysis: 045135

Parameter	Limit Values	Result
Specific Rotation [a] ₂₀ /D(c =4 in H ₂ O)	77-82 (°)	77.80°
Purity(HPLC)	99-100 (%)	99.31900 %
Melting point	192-196 (°C)	195.21000 °C
Water by Karl Fischer	0-0.5 (%)	0.03 %
mannose (TLC, HPLC)	0-0.5 (%)	0.13 %
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