

Certificate of Analysis

Date of Testing: 2022-03-07 11:25:24
 Date of Next Testing: 2026-03-06 11:25:24
 Product Name: **Methyl α -D-mannopyranoside**
 CAS Number: 617-04-9
 Specifications & Purity: 99%
 Lot #: C2202371
 SKU #: **M111852**
Analysis: 066108

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.82400 %
Melting point	192-196 (°C)	195.93000 °C
Water by Karl Fischer	0-0.5 (%)	0.25 %
mannose (TLC, HPLC)	0-0.5 (%)	0.36 %
Specific Rotation [a] ₂₀ /D(c =4 in H ₂ O)	77-82 (°)	77.01°
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