

Certificate of Analysis

Date of Testing: 2024-07-01 09:23:58
Date of Next Testing: 2028-06-30 09:23:58
Product Name: **Methyl α -D-mannopyranoside**
CAS Number: 617-04-9
Specifications & Purity: 99%
Lot #: F2421528
SKU #: **M111852**
Version: **0**
Analysis #: **365259**

Parameter	Limit Values	Result
Specific Rotation [a] _D 20/D(c =4 in H ₂ O)	77-82 (°)	77.27°
Purity(HPLC)	99-100 (%)	99.50600 %
Melting point	192-196 (°C)	195.49000 °C
Water by Karl Fischer	0-0.5 (%)	0.06 %
mannose (TLC, HPLC)	0-0.5 (%)	0.08 %
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