

Certificate of Analysis

Date of Testing: 2023-02-10 21:49:58
Date of Next Testing: 2027-02-09 21:49:58
Product Name: **Methyl α -D-mannopyranoside**
CAS Number: 617-04-9
Specifications & Purity: 99%
Lot #: B23081019
SKU #: **M111852**
Analysis: **096788**

Parameter	Limit Values	Result
Specific Rotation [a] _D 20/D(c =4 in H ₂ O)	77-82 (°)	79.27°
Purity(HPLC)	99-100 (%)	99.84600 %
Melting point	192-196 (°C)	195.68000 °C
Water by Karl Fischer	0-0.5 (%)	0.31 %
mannose (TLC, HPLC)	0-0.5 (%)	0.27 %
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