

Certificate of Analysis

Date of Testing: 2024-01-22 11:05:12
 Date of Next Testing: 2028-01-21 11:05:12
 Product Name: **Methyl β -D-glucopyranoside**
 CAS Number: 709-50-2
 Specifications & Purity: 98.0%
 Lot #: A2411679
 SKU #: **M120877**
Analysis: **297909**
 Storage Temperature: Argon charged

Parameter	Limit Values	Result
Specific Rotation [α] _D (c=1 in H ₂ O)	-38--32 (°)	-32.08°
Water by Karl Fischer	0-11.5 (%)	2.62%
Melting point	109-112 (°C)	111.99000 °C
Purity(HPLC area)	98-100 (%)	99.60%
Appearance (M120877)	White to Off-White Powder or Solid or Chunks	White to Off-White Powder or Solid or Chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility,Colorless Clear , 1 mg/ml, pass H ₂ O		Pass
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager