

Certificate of Analysis

Date of Testing: 2023-07-24 14:31:20

Date of Next Testing: 2027-07-23 14:31:20

Product Name: **Methyl- β -D-glucopyranoside hemihydrate**

CAS Number: 7000-27-3

Specifications & Purity: 99%

Lot #: G2319475

SKU #: **M120896**

Analysis: 245882

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.46200 %
Melting point	106-111 (°C)	108.60000 °C
Specific Rotation [a] ₂₀ /D(c=1 in H ₂ O)	-38--32 (°)	-34.45 °
Water by Karl Fischer	0-5 (%)	4.62 %
Appearance (M120896)	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 in H ₂ O , soluble	0.1 g/mL, clear, pass	Pass
colorless		



John Su
QA & QC Manager