

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-08-26 14:39:25
 Date of Next Testing: 2029-08-25 14:39:25
 Product Name: **Methyl β -D-glucopyranoside**
 CAS Number: 709-50-2
 Specifications & Purity: $\geq 98\%$
 Lot #: K1313104
 SKU #: **M120877**
 Version: **2**
 Analysis #: **559417**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$	-38--32 (°)	-32.10000 °
Water by Karl Fischer	0-11.5 (%)	9.35000 %
Melting point	109-112 (°C)	110.80000 °C
Purity(HPLC area)	98-100 (%)	99.60000 %
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