

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-01-22 11:00:08  
 Date of Next Testing: 2028-01-21 11:00:08  
 Product Name: **Methyl  $\beta$ -D-glucopyranoside**  
 CAS Number: 709-50-2  
 Specifications & Purity: 98.0%  
 Lot #: A2411681  
 SKU #: **M120877**  
**Analysis:** **297909**  
 Storage Temperature: Argon charged

Parameter	Limit Values	Result
Specific Rotation [ $\alpha$ ] <sub>20</sub> /D(c=1 in H <sub>2</sub> 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 <sub>2</sub> O		Pass
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager