

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2024-01-22 11:02:36
Date of Next Testing:	2028-01-21 11:02:36
Product Name:	<b>Methyl <math>\beta</math>-D-glucopyranoside</b>
CAS Number:	709-50-2
Specifications & Purity:	98.0%
Lot #:	A2411680
SKU #	<b>M120877</b>
<b>Analysis:</b>	<b>297909</b>
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