

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-03-11 15:34:30  
 Date of Next Testing: 2028-03-10 15:34:30  
 Product Name: **Methyl- $\beta$ -D-glucopyranoside hemihydrate**  
 CAS Number: 7000-27-3  
 Specifications & Purity: 99%  
 Lot #: C2405529  
 SKU #: **M120896**  
**Analysis: 319850**

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.67200 %
Melting point	106-111 (°C)	108.90000 °C
Specific Rotation [a] <sub>20</sub> /D(c=1 in H <sub>2</sub> O)	-38--32 (°)	-32.10°
Water by Karl Fischer	0-5 (%)	4.91 %
Appearance (M120896)	White to Off-White Powder or Solid or Chunks	White to Off-White Powder or Solid or Chunks
Solubility in H <sub>2</sub> O , soluble	0.1 g/mL, clear, pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager