

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-08-22 13:50:41

Date of Next Testing: 2029-08-21 13:50:41

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

CAS Number: 7000-27-3

Specifications & Purity: $\geq 99\%$

Lot #: H2520721

SKU #: **M120896**

Version: **1**

Analysis #: **550997**

Storage Temperature: Room temperature, Argon charged, Desiccated, Cool

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.86000 %
Melting point	106-111 (°C)	106.50000 °C
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$	-38--32 (°)	-32.97400 °
Water by Karl Fischer	0-5 (%)	4.98000 %
Appearance (M120896)	White to Off-White Powder or Solid or Chunks	White to Off-White Powder or Solid or Chunks
Solubility in H ₂ O , soluble0.1 g/mL, clear, pass colorless		Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager