

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-07-15 18:57:28
 Date of Next Testing: 2028-07-14 18:57:28
 Product Name: **α -D-Glucosamine 1-phosphate**
 CAS Number: 2152-75-2
 Specifications & Purity: $\geq 95\%$
 Lot #: G2508039
 SKU #: **D349721**
 Version: **1**
 Analysis #: **544565**
 Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	95-100 (%)	99.20000 %
Water by Karl Fischer	0-8.5 (%)	5.50000 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$	98.9-108.9 (°)	103.00000 °
Appearance (D349721)	off-white to pale yellow solid	Off-White to Pale Yellow Solid
Phosphorus NMR Spectra	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager