

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-12-03 13:40:20
 Date of Next Testing: 2029-12-02 13:40:20
 Product Name: **D(+)-Glucosamine hydrochloride**
 CAS Number: 66-84-2
 Specifications & Purity: $\geq 99\%$
 Lot #: K2527494
 SKU #: **G100089**
 Version: **0**
 Analysis #: **616183**
 Storage Temperature: Room temperature, Desiccated

Parameter	Limit Values	Result
Loss on drying(105°C, 2 hrs)	0-0.1 (%)	0.00000 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$ (after 20hours)	70-74 (°)	72.66100 °
Purity (Argentmetric Titration)	98.5-101.5 (%)	99.02700 %
Appearance (G100089)	White Solid	White Solid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , clear colorless , 100mg/ml in water	pass	Pass



John Su
QA & QC Manager