

Certificate of Analysis

Date of Testing: 2023-08-14 11:22:55
Date of Next Testing: 2027-08-13 11:22:55
Product Name: **D(+)-Glucosamine hydrochloride**
CAS Number: 66-84-2
Specifications & Purity: $\geq 99\%$
Lot #: J1924028
SKU #: **G100089**
Analysis: **263593**
Storage Temperature: Desiccated

Parameter	Limit Values	Result
Loss on drying(105°C, 2 hrs)	0-0.1 (%)	0.03%
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$ (after 20hours)	70-74 (°)	73.87°
Purity (Argentometric Titration)	98.5-101.5 (%)	99.28%
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