

Certificate of Analysis

Date of Testing: 2025-03-25 16:14:54
Date of Next Testing: 2029-03-24 16:14:54
Product Name: **D(+)-Glucosamine hydrochloride**
CAS Number: 66-84-2
Specifications & Purity: $\geq 99\%$
Lot #: C2519498
SKU #: **G100089**
Version: **0**
Analysis #: **487788**
Storage Temperature: Desiccated

Parameter	Limit Values	Result
Loss on drying(105°C, 2 hrs)	0-0.1 (%)	0.01 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})(\text{after } 20\text{hours})$	70-74 (°)	72.44°
Purity (Argentmetric Titration)	98.5-101.5 (%)	100.00 %
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