

Certificate of Analysis

Date of Testing: 2024-09-06 14:48:24
Date of Next Testing: 2028-09-05 14:48:24
Product Name: **D(+)-Glucosamine hydrochloride**
CAS Number: 66-84-2
Specifications & Purity: $\geq 99\%$
Lot #: I2402453
SKU #: **G100089**
Version: **0**
Analysis #: **408514**
Storage Temperature: Desiccated

| Parameter | Limit Values | Result |
|---|-----------------------|-----------------------|
| Loss on drying(105°C, 2 hrs) | 0-0.1 (%) | 0.00 % |
| Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})(\text{after } 20\text{hours})$ | 70-74 (°) | 70.84° |
| Purity (Argentmetric Titration) | 98.5-101.5 (%) | 99.59 % |
| 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 |



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