



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-211202
Lot Number: SAMPLE
Product Name: D(+)-Glucosamine, Hydrochloride
CAS Number: 66-84-2
Molecular Formula: $C_6H_{13}NO_5 \cdot HCl$
Molecular Weight: 215.6

Test	Result
Appearance	White to off-white powder
Identification (Infrared Spectrum)	Consistent with standard
Purity (HPLC)	99.64%
Particle Size	80 mesh
pH	4.26 (2% aqueous solution)
Residue on Ignition	0.012%
Specific Rotation ($\alpha_{20/D}$)	+71.62° (c = 2.5, water)
Heavy Metals	< 0.001%
Loss on Drying	0.28%
Organic Volatile Impurities	Consistent with standard
Arsenic	< 3 ppm
Sulfate	< 0.24%

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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