



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-490478
Lot Number: SAMPLE
Product Name: D-Glucosamine sulfate potassium chloride
CAS Number: 216699-44-4
Molecular Formula: $(C_6H_{14}NO_5)_2 \cdot SO_4 \cdot 2KCl$
Molecular Weight: 605.52

Test	Specification	Result
Appearance	White crystalline powder	Complies
pH	3.0 - 5.0 (2% in water)	4.39
Residue on Ignition	26.5 - 31.5 %	29.58 %
Content	98.0 - 102.0 %	99.78 %
Optical Rotation	+47.0 - +53.0°	+48.74°
Heavy Metals	≤ 10 ppm	Complies
Loss on Drying	≤ 1.0 %	0.05%
Arsenic	≤ 1 ppm	Complies
Cadmium	≤ 1 ppm	Complies
Chloride	11.8 - 12.8 %	12.10 %
Iron	≤ 10 ppm	Complies
Lead	≤ 3 ppm	Complies
Mercury	≤ 0.1 ppm	Complies
Sodium	To pass test	Complies
Sulfate	15.5 - 16.5 %	15.93 %

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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