



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-311310A
Lot Number: SAMPLE
Product Name: D-Glutamine
CAS Number: 5959-95-5
Molecular Formula: $C_5H_{10}N_2O_3$
Molecular Weight: 146.14

Test	Specification	Result
Appearance	White crystalline powder	Complies
Identification	Consistent with structure	Complies
Purity	99 - 101%	100.3%
Residue on Ignition	$\leq 0.1\%$	0.07%
Specific Rotation ($\alpha_{20/D}$)	$-32^\circ - -34^\circ$ (c = 5, 5N HCl)	-33.5°
Heavy Metals (Pb)	≤ 10 ppm	Complies
Loss on Drying		0.55%
Ammonium	$\leq 0.1\%$	Complies
Arsenic	≤ 2 ppm	Complies
Chloride	$\leq 0.02\%$	Complies
Iron	≤ 10 ppm	Complies
Sulfate	$\leq 0.02\%$	Complies

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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