



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-391657
Lot Number: SAMPLE
Product Name: L-Arginine
CAS Number: 74-79-3
Molecular Formula: $C_6H_{14}N_4O_2$
Molecular Weight: 174.20

Test	Specification	Result
Appearance	White crystalline powder or powder	Complies
Identification (FTIR)		Consistent with structure
Identification (LCMS)		Consistent with structure
Purity (HPLC)	$\geq 99\%$	99.9%
Residue on Ignition	$\leq 0.1\%$	Complies
Specific Rotation	$+24.0^\circ - +29.0^\circ$	$+28.6^\circ$
Heavy Metals (Pb)	≤ 10 ppm	Complies
Loss on Drying	$\leq 0.5\%$	0.3%
Chloride	$\leq 0.05\%$	Complies
Iron	≤ 10 ppm	Complies
Sulfate	$\leq 0.03\%$	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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