



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-472018
Lot Number: SAMPLE
Product Name: Nalpha-Acetyl-L-arginine
CAS Number: 155-84-0
Molecular Formula: $C_8H_{16}N_4O_3$
Molecular Weight: 216.24

Test	Specification	Result
Appearance	Coolorless or white powder	White powder
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (TLC)	$\geq 98\%$	100%
Solubility	Clear colorless solution at 50 mg/ml in 1M hydrochloric acid	Complies
Specific Rotation ($\alpha_{25/D}$)	$10.0 \pm 0.5^\circ$ (C = 1 in water)	9.9°
Carbon Content	43.3 - 45.6% (anhydrous basis)	44.4% (anhydrous basis)
Nitrogen Content	25.3 - 26.6% (anhydrous basis)	25.7% (anhydrous basis)
Water Content		14.2%

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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