



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-295915
Lot Number: SAMPLE
Product Name: Nepsilon-Acetyl-D-lysine
CAS Number: 51621-57-9
Molecular Formula: $C_8H_{16}N_2O_3$
Molecular Weight: 188.2

Test	Specification	Result
Appearance		White powder
Assay (Elemental Analysis)		99.7% (Based on Carbon content, Theory C: 51.05%; Found C: 50.89%)
Purity (TLC)		> 99%
Solubility		Clear, colorless solution (50 mg/ml in Acetic Acid 80%)
Optical Rotation ($\alpha_{24/D}$)		-18.8° (1% in Acetic Acid)
Carbon Content	50.71% (Calc. x 0.1 H ₂ O, 0.7%)	50.9%
Hydrogen Content	8.6% (Calc. x 0.1 H ₂ O, 0.7%)	8.3%
Nitrogen Content	14.8% (Calc. x 0.1 H ₂ O, 0.7%)	14.9%
Water Content		0.7%

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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