



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-296721
Lot Number: SAMPLE
Product Name: Z-Ala-Gly-OH
CAS Number: 3235-17-4
Molecular Formula: $C_{13}H_{16}N_2O_5$
Molecular Weight: 280.28

Test	Specification	Result
Appearance		White crystalline powder
Identification (TLC)		Chloroform/methanol/acetic acid (v/v/v): (77.5/15/7.5) Ethylacetate/pyridine/acetic acid/H ₂ O (v/v/v/v): (60/10/3/4) Chloroform/methanol/acetic acid (98 - 100%) /H ₂ O (v/v/v/v): (45/13/1/2)
Purity (Elemental Analysis)		99.4% Based on Nitrogen content
Purity (TLC)		> 99%
Melting Point		131 - 133 °C
Solubility		Clear, colorless solution (50 mg/ml in Methanol)
Specific Rotation ($\alpha_{24/D}$)		-17.4° (1% in Ethanol)
Carbon Content	55.71%	55.82%
Hydrogen Content	5.75%	5.52%
Nitrogen Content	9.99%	9.93%

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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