



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-295038
Lot Number: SAMPLE
Product Name: H-Ala-Ser-OH
CAS Number: 3303-41-1
Molecular Formula: $C_6H_{12}N_2O_4$
Molecular Weight: 176.17

Test	Specification	Result
Appearance		White powder with a hint of pink
Identification (CHN)		Calc. as 0.1 H ₂ O
Identification (TLC)		n-Butanol/ Acetic acid/ H ₂ O: 4/2/2 (v/v/v) n-Butanol/ AcOH/ H ₂ O/ Pyridine: 30/6/24/20 (v/v/v/v) Chloroform/ Methanol/ Acetic acid/ H ₂ O: 60/45/14/6 (v/v/v/v)
Purity (TLC)		> 99%
Solubility		Clear, colorless solution (50 mg/ml in 80% AcOH)
Optical Rotation ($\alpha_{24/D}$)		+10.9° (2% water)
Hydrate Content	6.91%	6.77%
Carbon Content	40.49%	40.39%
Nitrogen Content	15.74%	15.83%
Water Content		1.1%

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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