



INDOFINE Chemical Company, Inc.

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CERTIFICATE OF ANALYSIS

Lot number **1028957**

Catalog Number 04-191

Product H- Ala- Gly- OH

Molecular formula $C_5H_{10}N_2O_3$

Relative molecular mass 146.15

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in AcOH 80 %)								
Identification (elemental analysis)	<table><thead><tr><th>Theory</th><th>Found</th></tr></thead><tbody><tr><td>C = 41.1 %</td><td>C = 41.1 %</td></tr><tr><td>H = 6.9 %</td><td>H = 7.0 %</td></tr><tr><td>N = 19.2 %</td><td>N = 19.3 %</td></tr></tbody></table>	Theory	Found	C = 41.1 %	C = 41.1 %	H = 6.9 %	H = 7.0 %	N = 19.2 %	N = 19.3 %
Theory	Found								
C = 41.1 %	C = 41.1 %								
H = 6.9 %	H = 7.0 %								
N = 19.2 %	N = 19.3 %								
Identification (TLC)	complies with authentic material								
Specific optical rotation	$[\alpha]_D^{24} = + 50.8^\circ$ (2.5 % in H ₂ O)								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 isopropanol/ammonia conc. 1/1 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	100.9% (Nth 19.17 %, Nfd 19.34 %)								
Water content (KF volumetric)	0.2%								