



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

Catalog Number	04-1718
Product Name	H-Gly-Pro-Ala-OH Glycyl-L-prolyl-L-alanine
Lot Number	0542760
CAS Registry Number	837-83-2
Molecular Formula	C ₁₀ H ₁₇ N ₃ O ₄
Molecular Weight	243.26
Appearance	White powder
Solubility	Clear, colorless solution (50 mg/ml in Water)
Specific Optical Rotation	$\alpha^24_D = -140.8^\circ$ (1% in Hydrochloric Acid)
CHN-Analysis	Calc. as 0.5 Water (3.57%)
Elemental Analysis (Theory)	C 47.61% H 7.19% N 16.66%
Elemental Analysis (Found)	C 47.85% H 7.49% N 16.80%
Identification (TLC)	Complies with authentic material
Assay by TLC	> 99%
n-Butanol/acetic acid/H ₂ O 4/2/2	Detected by: UV, Ninhydrin, Chlorine-
Isopropanol/ammonia conc. 1/1	
Methanol/Chloroform/ammonia 17% 2/2/1	
Plate: Silicagel 60 F ₂₅₄	
Water Content (KF Volumetric)	3.6%
Storage	Store at 0-5°C.