



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

Catalog Number	04-2273
Product Name	H-Phe-Ala-OH
Lot Number	1027921
CAS Registry Number	3918-87-4
Molecular Formula	C ₁₂ H ₁₆ N ₂ O ₃
Molecular Weight	236.27
Appearance	White powder
Solubility	Clear, colorless solution (50 mg/ml in AcOH 80%)
Specific Optical Rotation	$\alpha_D^{24} = +12.4^\circ$ (2% in Water)
CHN-Analysis	Calc. as 1.98 H ₂ O (13.12%)
Elemental Analysis	Theory: C 53.0% H 7.4% N 10.3% Found: C 53.0% H 7.4% N 10.3%
Identification (TLC)	Complies with authentic material
Assay by TLC	> 99%
Chloroform/methanol/acetic acid 32% 5/3/1	Detected by: UV, Ninhydrin, Chlorine-Tolidine
Ethylacetate/pyridine/acetic acid/H ₂ O 6/4/1/3	
Plate: Silicagel 60 F ₂₅₄	
Water Content (KF Volumetric)	13.2%
General Comment	Product is supplied as a dihydrate
Storage	Store at -0°C