



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

Catalog Number	04-1936
Product Name	H-Leu-Ala-OH
Lot Number	1021949
CAS Registry Number	7298-84-2
Molecular Formula	C ₉ H ₁₈ N ₂ O ₃
Molecular Weight	202.3
Appearance	White powder
Solubility	Clear, colorless solution (50mg/mL in acetic acid 80%)
Optical Specific Rotation (α^{24}_D)	+22.2 ° (2% in methanol) [corrected for H ₂ O-content]
CHN-Analysis	Theory C = 40.2% H = 9.5% N = 10.4% Found C = 40.5% H = 9.0% N = 10.4% Calcd. x 3.7 H ₂ O (24.8%)
Purity (TLC)	> 99%
n-Butanol/acetic acid/ H₂O (4/2/2)	Plate : Silicagel 60 F ₂₅₄
CHCl₃/MeOH/acetic acid 32% (5/3/1)	Detected by : UV, ninhydrin, chlorine-tolidine
Ethylacetate/pyridine/acetic acid/H₂O (60/60/12/36)	
Assay (titration)	74.8% (HClO ₄)
Water Content (KF volumetric)	24.8%
Storage	Store at 0 – 5 °C.