



INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

Phone: (908) 359-6778 • FAX: (908) 359-1179

website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

Certificate of Analysis

Catalog Number	04-2285
Product Name	H-Phe-Leu-OH
Lot Number	0568143
Molecular Formula	C ₁₅ H ₂₂ N ₂ O ₃
Molecular Weight	278.35
Appearance	White powder
Solubility	Clear, colorless solution (50 mg/ml in AcOH 80%)
Melting Point	270 °C
Specific Optical Rotation	$\alpha_D^{24} = +2.5^\circ$ (2% in 1N HCl)
CHN-Analysis	Calc. as 1.2 H ₂ O (7.2%)
Elemental Analysis (Theory)	C 60.06% H 8.20% N 9.34%
Elemental Analysis (Found)	C 60.51% H 8.22% N 9.49%
Assay (Elemental Analysis)	94.3% Based on Nitrogen content
Assay (Elemental Analysis)	Theory N 10.06% Found N 9.49%
Assay by TLC	> 98%
n-Butanol/acetic acid/H ₂ O 4/2/2	Detected by: UV, Ninhydrin, TMB
Isopropanol/ammonia conc. 1/1	
Plate: Silicagel 60 F ₂₅₄	
Water Content	7.4%
Storage	Store at -0°C