



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	04-188
Product Name	H-Ala-Glu-OH
Lot Number	519973
CAS Registry Number	13187-90-1
Molecular Formula	C ₈ H ₁₄ N ₂ O ₅
Molecular Weight	218.2
Appearance	White powder
Solubility	Clear, colorless solution (50mg/ml in 80% AcOH)
Optical Specific Rotation (α^{24}_{D})	-7.6° (2% in 0.5N HCl)
Optical Specific Rotation (α^{24}_{365})	-12.6° (2% in 0.5N HCl)
CHN-Analysis	Calc. as 1 Water
Elemental Analysis (Theory)	C 40.68%, H 6.83%, N 11.86%
Elemental Analysis (Found)	C 40.57%, H 6.52%, N 11.95%
Assay (TLC)	Purity by TLC >99%
n-Butanol/Acetic acid/H₂O 4/2/2 (v/v/v)	Detected by UV, Ninhydrin, chlorine-tolidine.
Ethyl acetate/Pyridine/Acetic acid /H₂O 60/60/12/36 (v/v/v/v)	
Isopropanol/ammonia conc. (v/v)	
Plate Silicagel 60 F₂₅₄	
Comment	Product is hygroscopic
Water Content	7.9%
Storage	Store at -0°C.