

 **INDOFINE Chemical Company, Inc.**

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Certificate of Analysis

Catalog Number	04-2625
Product Name	H-Tyr-OEt (free base) L-Tyrosine Ethyl ester
Lot Number	1018792
Molecular Formula	C ₁₁ H ₁₅ NO ₃
Molecular Weight	209.25
Appearance	Off-white product
Solubility	Clear, colorless solution (50 mg/ml in MeOH)
Melting point	104 °C
Optical Rotation	$\alpha_D^{24} = +18.8^\circ$ (1% in EtOH)
Identification (TLC)	Complies with authentic material
CHN-Analysis	
Elemental analysis (Theory)	C = 63.1%, H = 7.2%, N = 6.7%
Elemental analysis (Found)	C = 63.1%, H = 7.2%, N = 6.7%
Assay by TLC	> 99%
Ethylacetate/pyridine/acetic acid/H₂O 60/20/6/11	Plate: Silicagel 60 F ₂₅₄
Chloroform/methanol/toluene/H₂O 8/8/8/1	Detected by: UV, Ninhydrin, Chlorine-Tolidine
Chloroform/methanol/acetic acid 77.5/15/7.5	
Assay (titration)	99.0% (HClO ₄)
Storage	Store at -0°C