



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

Catalog Number	04-1904
Product Name	H-Leu-OBzl•TosOH L-Leucine benzyl ester p-toluenesulfonate salt
Lot Number	521091
CAS Registry Number	1738-77-8
Molecular Formula	C ₂₀ H ₂₇ NO ₅ S
Molecular Weight	393.5
Aperance	White product
Solubility	Clear, colorless solution (50mg/ml in Methanol)
Specific Rotation (α^{24}_D)	+4.9° (1%, DMF)
Melting Point	151-157°C
Elemental Analysis (actual)	C 60.81%, H 6.80% N 3.54%
Elemental Analysis (theory)	C 60.63%, H 6.95%, N 3.54%
Assay (TLC) CHCl ₃ /MeOH/AcOH/H ₂ O(98-100%) 45/13/1/2 (v/v/v/v)	Purity by TLC.....>99% detected by: UV, Ninhydrin, Chlorine-tolidine
EtAc:Pyridine:AcOH/H₂O 60/20/6/11 (v/v/v/v)	
n-Butanol/AcOH/H₂O 4/2/2 (v/v/v)	
Plate Silica 60 F₂₅₄	
Related impurity	<0.1% H-Lue-OH
Storage	Store in cooler.
Water	0.6 %

Prepared by:
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