



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

Catalog Number	04-1841
Product Name	L-ALLOISOLEUCINE [(2S,3R)-2-Amino-3-methylpentanoic acid]
Lot Number	SGE/AIL/04 05/01
CAS Registry Number	1509-34-8
Molecular Formula	C ₆ H ₁₃ NO ₂
Molecular Weight	131.18
Appearance	White powder
Solubility	Clear, colorless solution (10mg/mL in AcOH 80%)
Optical Rotation	$\alpha_D^{20} = +37.7202^\circ$ (C = 5, 6M HCl)
Assay (NT)	99.33%
Enantiomeric Purity (by GC)	L-allo-Ile -> 99.69% D-allo-Ile -> 0.26% L-Ile -> 0.01% D-Ile -> 0.02%