

Chem-Impex International, Inc.

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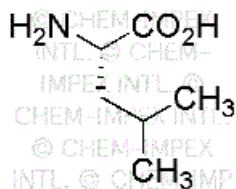
Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



Product Specifications

Catalogue Number	00200
Product	L-Leucine L-Leu-OH (S)-2-Amino-4-methylpentanoic acid
CAS Number	61-90-5
Molecular Formula	C ₆ H ₁₃ NO ₂
Molecular Weight	131.18
Appearance	White crystals or crystalline powder
Heavy Metals	≤ 15 ppm
Anion	Chloride (Cl ⁻) : ≤ 0.05% Sulfate (SO ₄ ²⁻) : ≤ 0.03%
Cation	Iron (Fe) : ≤ 30 ppm
pH	5.5 - 7.0
Optical Rotation	[α] _D ²⁰ = 14.9 - 17.3 ° (C=40 mg/mL in 6N HCl)
Loss on Drying	≤ 0.2% (105 °C, 3h)
Related Substances	Individual impurity : ≤ 0.5% Total impurities : ≤ 2%
Residue On Ignition	≤ 0.4%
Assay by titration	98.5 - 101.5% (Dried basis)
Grade	Meets USP Specification
Storage	Store at RT
Additional Information	Identification: Test for Infrared spectrum : Conforms to structure

For Laboratory Use Only