

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	00263
Lot Number	001192-002812009-1
Product	L-Isoleucine
	L-Ile-OH
	(2S,3S)-2-amino-3-methylpentanoic acid
CAS Number	73-32-5
Molecular Formula	C ₆ H ₁₃ NO ₂
Molecular Weight	131.2

Appearance	White crystalline powder
Heavy Metals	< 15 ppm (as Pb)
Arsenic (As₂O₂)	< 1.5 ppm
Anion	Chloride (Cl ⁻) < 0.05% Sulfate (SO ₄ ²⁻) < 0.03%
Cation	Iron (Fe): < 30 ppm
pH	6.07
Optical Rotation	+40.24°
Infrared Spectrum	Conforms to structure
Loss on Drying	0.19%
Organic Volatile Impurities	Meets the requirement of USP24
Residue On Ignition	0.10%
Assay by titration	99.1% (anhydrous basis)
Grade	USP
Storage	Store at RT

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Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager