

Certificate of Analysis

Date of Testing: 2025-05-14 11:28:42
 Date of Next Testing: 2029-05-13 11:28:42
 Product Name: **L-Isoleucine**
 CAS Number: 73-32-5
 Specifications & Purity: Moligand™, Animal Free, USP, JP, Ph.Eur., for cell culture, ≥98.5%
 Lot #: G2122106
 SKU #: **I115775**
 Version: **0**
 Analysis #: **508748**
 Storage Temperature: Desiccated

Parameter	Limit Values	Result
Heavy metals	0-10 (ppm)	0.90 ppm
Iron(Fe)	0-10 (ppm)	0.50 ppm
Purity(Nonaqueous Titration)	98.5-101.5 (%)	100.00 %
Loss on drying	0-0.2 (%)	0.07 %
Chloride	0-0.02 (%)	0.00 %
Ignition Residue	0-0.1 (%)	0.06 %
Sulfate(SO42-)	0-0.02 (%)	0.00 %
Ammonia (NH4)	0-0.02 (%)	0.00 %
(As)Arsenic	0-1 (ppm)	0.90 ppm
Specific Rotation [α] ₂₀ /D(c=4 in 6mol/L HCl)	38-43 (°)	38.50°
Appearance (I115775)	White Powder or Crystals	White Powder or Crystals
Cell Culture Test	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure
Origin	non-animal source	non-animal source
Solubility in 1 M HCl , Colorless Clear 50 mg/ml	pass	Pass



ALADDIN SCIENTIFIC CORPORATION

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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager