

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2025-07-24 10:19:13
Date of Next Testing:	2029-07-23 10:19:13
Product Name:	L-Isoleucine
CAS Number:	73-32-5
Specifications & Purity:	Moligand™, Animal Free, USP, JP, Ph.Eur., for cell culture, ≥98.5%
Lot #:	G2522037
SKU #	I115775
Version	0
Analysis #:	547890
Storage Temperature:	Desiccated

Parameter	Limit Values	Result
Heavy metals	0-10 (ppm)	1.21 ppm
Iron(Fe)	0-10 (ppm)	0.44 ppm
Purity(NonaqueousTitration)	98.5-101.5 (%)	100.49 %
Loss on drying	0-0.2 (%)	0.13 %
Chloride	0-0.02 (%)	0.02 %
Ignition Residue	0-0.1 (%)	0.06 %
Sulfate(SO42-)	0-0.02 (%)	0.02 %
Ammonia (NH4)	0-0.02 (%)	0.01 %
(As)Arsenic	0-1 (ppm)	0.00 ppm
Specific Rotation [α] ₂₀ /D(c=4 in 6mol/L HCl)	38-43 (°)	38.54°
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



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

John Su
QA & QC Manager