

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-04-24 17:48:07
 Date of Next Testing: 2029-04-23 17:48:07
 Product Name: **L-Leucine**
 CAS Number: 61-90-5
 Specifications & Purity: Animal Free, USP, JP, Moligand™, Ph.Eur., for cell culture, ≥98.5%
 Lot #: D2623842
 SKU #: **L433130**
 Version: **1**
 Analysis #: **697940**
 Storage Temperature: Protected from light, Room temperature

Parameter	Limit Values	Result
Endotoxin Assay	0-1 (EU/mg)	0.39400 EU/mg
specific rotation [α] _{20/D} (C= 4 in 6M HCL)	14.9-16 (°)	15.28500°
Chloride (Cl ⁻)	0-0.02 (%)	0.00668 %
Ammonium (NH ₄)	0-0.02 (%)	0.00000 %
Iron(Fe)	0-10 (ppm)	0.00000 ppm
Sulfate(SO ₄ ²⁻)	0-0.03 (%)	0.01080 %
Heavy metals	0-10 (ppm)	0.88700 ppm
Arsenic(As)	0-1 (ppm)	0.83900 ppm
Loss on drying	0-0.2 (%)	0.09180 %
Residue on ignition(Ash)	0-0.1 (%)	0.00000 %
Assay(Nonaqueous Titration anhydrous)	98.5-101 (%)	100.97800 %
Appearance(L433130)	White Crystalline Powder	white crystalline powder
Solubility(0.5 g to 10 mL, 1 M HCl)Colorless Clear	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure
Cell Culture Test	pass	Pass
Origin(Non-Animal Source)	Pass	Pass



QualityAssurance@aladdinsci.com

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

John Su
QA & QC Manager