

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-03-13 16:55:17
Date of Next Testing: 2029-03-12 16:55:17
Product Name: **L-Leucine**
CAS Number: 61-90-5
Specifications & Purity: Moligand™, ≥99%
Lot #: C2510198
SKU #: **L104898**
Version: **2**
Analysis #: **476358**
Storage Temperature: Protected from light, Room temperature, Desiccated, Cool

Parameter	Limit Values	Result
Specific Rotation [α] ₂₀ /D(c=4 in 6N HCl)	14.5-17.3 (°)	15.40000°
Purity(Titration by HClO ₄)	98.5-101.5 (%)	99.90000%
Carbon by Elemental Analysis	53.8-59 (%)	54.84000%
Nitrogen by Elemental Analysis	10.4-11 (%)	10.66000%
Appearance (L104898)	White to Off-White Powder	White to Off-White Powder or crystalline powder or shiny flakes
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility 5% HCl, Colorless to Very Faint Yellow, Clear 1g/20ml	Pass	Pass



John Su
QA & QC Manager