

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-03-13 17:51:56  
Date of Next Testing: 2029-03-12 17:51:56  
Product Name: **L-Leucine**  
CAS Number: 61-90-5  
Specifications & Purity: Moligand™, ≥99%  
Lot #: C2510197  
SKU #: **L104898**  
Version: **2**  
Analysis #: **476358**  
Storage Temperature: Desiccated

Parameter	Limit Values	Result
Specific Rotation [α] <sub>20</sub> /D(c=4 in 6N HCl)	14.5-17.3 (°)	15.40°
Purity(Titration by HClO <sub>4</sub> )	98.5-101.5 (%)	99.90%
Carbon by Elemental Analysis	53.8-59 (%)	54.84%
Nitrogen by Elemental Analysis	10.4-11 (%)	10.66%
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