

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-07-24 10:11:09  
Date of Next Testing: 2029-07-23 10:11:09  
Product Name: **L-Leucine**  
CAS Number: 61-90-5  
Specifications & Purity: Moligand™, ≥99%  
Lot #: G2517607  
SKU #: **L104898**  
Version: **2**  
Analysis #: **530228**  
Storage Temperature: Protected from light, Room temperature, Desiccated, Cool

Parameter	Limit Values	Result
Specific Rotation [ $\alpha$ ] <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 (%)	54.76 %
Nitrogen by Elemental Analysis	10.4-11 (%)	10.59 %
Appearance (L104898)	White to Off-White Powder or Crystalline powder or Shiny flakes	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