

## Certificate of Analysis

Date of Testing: 2024-11-21 17:23:05  
Date of Next Testing: 2028-11-20 17:23:05  
Product Name: **L-Leucine**  
CAS Number: 61-90-5  
Specifications & Purity: Moligand™, ≥99%  
Lot #: K2419360  
SKU #: **L104898**  
Version: **2**  
Analysis #: **433704**  
Storage Temperature: Desiccated

Parameter	Limit Values	Result
Carbon by Elemental Analysis	53.8-59 (%)	54.87%
Specific Rotation [α] <sub>20</sub> /D(c=4 in 6N HCl)	14.5-17.3 (°)	15.92°
Nitrogen by Elemental Analysis	10.4-11 (%)	10.73%
Purity(Titration by HClO <sub>4</sub> )	98.5-101.5 (%)	99.63%
Appearance (L104898)	White to Off-White Powder or Crystalline powder or Shiny flakes	White to Off-White Powder or crystalline powder or shiny flakes
Solubility 5% HCl,Colorless to Very Faint Yellow,Clear 1g/20ml	Pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager