

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-11-21 17:24:20

Date of Next Testing: 2028-11-20 17:24:20

Product Name: **L-Leucine**

CAS Number: 61-90-5

Specifications & Purity: Moligand™, ≥99%

Lot #: K2419362

SKU #: **L104898**

Version: **2**

Analysis #: **433704**

Storage Temperature: Protected from light, Room temperature, Desiccated, Cool

Parameter	Limit Values	Result
Carbon by Elemental Analysis	53.8-59 (%)	54.86900 %
Specific Rotation [α] ₂₀ /D(c=4 in 6N HCl)	14.5-17.3 (°)	15.92300 °
Nitrogen by Elemental Analysis	10.4-11 (%)	10.73000 %
Purity(Titration by HClO ₄)	98.5-101.5 (%)	99.63000 %
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