

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-02-24 15:50:18

Date of Next Testing: 2027-02-23 15:50:18

Product Name: **L-allo-Isoleucine**

CAS Number: 1509-34-8

Specifications & Purity: $\geq 98\%$

Lot #: B2320296

SKU #: **I113733**

Version: **2**

Analysis #: **175545**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Carbon by Elemental Analysis	54.5-55.5 (%)	55.13000 %
Purity(HPLC)	98-100 (%)	99.51200 %
Nitrogen by Elemental Analysis	10.4-11 (%)	10.83000 %
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in } 6M \text{ in } HCl)$	37-40 (°)	39.33300 °
Enantiomeric excess (HPLC)	98-100 (%)	98.20000 %
Appearance (I113733)	White to Off-White Powder	White to Off-White Powder
Solubility in 1 M NH ₄ OH , Colorless to yellow hazy,5 mg/ml	pass	Pass
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager