

Certificate of Analysis

Date of Testing: 2023-02-25 14:11:52

Date of Next Testing: 2027-02-24 14:11:52

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

CAS Number: 1509-34-8

Specifications & Purity: 98%

Lot #: B2320294

SKU #: **I113733**

Analysis: **175545**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Carbon by Elemental Analysis	54.5-55.5 (%)	55.13 %
Purity(HPLC)	98-100 (%)	99.51200 %
Nitrogen by Elemental Analysis	10.4-11 (%)	10.83 %
Specific Rotation $[\alpha]_{20/D(c=2 \text{ in } 6M \text{ in } HCl)}$	37-40 (°)	39.33 °
Enantiomeric excess (HPLC)	98-100 (%)	98.20 %
Appearance (I113733)	White to Off-White Powder	White to Off-White Powder
Solubility in 1 M NH ₄ OH , Colorless to yellow	pass	Pass
hazy,5 mg/ml		
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager