

Certificate of Analysis

Date of Testing: 2023-09-27 14:16:54
Date of Next Testing: 2027-09-26 14:16:54
Product Name: **L-Isoleucine**
CAS Number: 73-32-5
Specifications & Purity: 99%
Lot #: I2319182
SKU #: **I103488**
Analysis: 268766
Storage Temperature: Desiccated

Parameter	Limit Values	Result
Purity(NonaqueousTitration)	98.5-101.5 (%)	100.07 %
Purity(HPLC)	99-100 (%)	99.68300 %
Specific Rotation $[\alpha]_{20/D}(c=4 \text{ in } 6\text{mol/L HCl})$	38-43 (°)	39.34°
Appearance (I103488)	white powder or solid	white powder or solid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in 1 M NH ₄ OH , Colorless,Clear to Very Slightly Hazy,50 mg/mLpass		Pass



John Su
QA & QC Manager