

## Certificate of Analysis

Date of Testing: 2023-09-27 13:48:50  
Date of Next Testing: 2027-09-26 13:48:50  
Product Name: **L-Isoleucine**  
CAS Number: 73-32-5  
Specifications & Purity: 99%  
Lot #: I2319183  
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 <sub>4</sub> OH , Colorless,Clear to Very Slightly Hazy,50 mg/mLpass		Pass



John Su  
QA & QC Manager