

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-03-17 17:52:52  
Date of Next Testing: 2027-03-16 17:52:52  
Product Name: **L-Isoleucine**  
CAS Number: 73-32-5  
Specifications & Purity: 99%  
Lot #: C23111064  
SKU #: **I103488**  
**Analysis:** **187145**  
Storage Temperature: Desiccated

Parameter	Limit Values	Result
Purity(NonaqueousTitration)	98.5-101.5 (%)	99.57%
Purity(HPLC)	98-100 (%)	99.76300%
Specific Rotation $[\alpha]_{20}^D(c=4 \text{ in } 6\text{mol/L HCl})$	38-43 (°)	41.30°
Appearance (I103488)	white powder or solid	white powder or solid
Solubility in 1 M NH <sub>4</sub> OH , Colorless,Clear to Very Slightly Hazy,50 mg/mL	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager