

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-01-15 14:39:47

Date of Next Testing: 2028-01-14 14:39:47

Product Name: **L-Isoleucine**

CAS Number: 73-32-5

Specifications & Purity: 99%

Lot #: A2409335

SKU #: **I103488****Analysis: 309843**

Storage Temperature: Desiccated

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.64300%
Purity(NonaqueousTitration)	98.5-101.5 (%)	98.51%
Specific Rotation $[\alpha]_{20/D}(c=4 \text{ in } 6\text{mol/L HCl})$	38-43 (°)	38.02°
Appearance (I103488)	white powder or solid	white powder or solid
Solubility in 1 M NH ₄ 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