

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-03 18:15:17

Date of Next Testing: 2027-03-02 18:15:17

Product Name: **L-Isoleucine**

CAS Number: 73-32-5

Specifications & Purity: 99%

Lot #: B2328359

SKU #: **I103488****Analysis: 118500**

Storage Temperature: Desiccated

| Parameter | Limit Values | Result |
|---|-----------------------|-----------------------|
| Purity(NonaqueousTitration) | 98.5-101.5 (%) | 100.00 % |
| Purity(HPLC) | 98-100 (%) | 99.86200 % |
| Specific Rotation [α] ₂₀ /D(c=4 in 6mol/L HCl) | 38-43 (°) | 42.95 ° |
| 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