

Shanghai yuanye Bio-Technology Co., Ltd

465 Changta Road, SongJiang District, Shanghai 201604, China

Certificate of Analysis

Date of Testing: 2026-06-24 10:49:37

Date of Next Testing: 2030-06-23 10:49:37

Product Name: **L-Isoleucine**

CAS Number: 73-32-5

Specifications & Purity: Animal Free, USP, JP, Ph.Eur., for cell culture, ≥98.5%

Lot #: F2609015

SKU #: **V33813**

Version: **0**

Analysis #: **730807**

Storage Temperature: Room temperature, Desiccated

Parameter	Limit Values	Result
Heavy metals	0-10 (ppm)	1.21 ppm
Iron(Fe)	0-10 (ppm)	0.44 ppm
Purity(Nonaqueous Titration)	98.5-101.5 (%)	100.49 %
Loss on drying	0-0.2 (%)	0.13 %
Chloride	0-0.02 (%)	0.02 %
Ignition Residue	0-0.1 (%)	0.06 %
Sulfate(SO ₄ ²⁻)	0-0.02 (%)	0.02 %
Ammonia (NH ₄)	0-0.02 (%)	0.01 %
(As)Arsenic	0-1 (ppm)	0.00 ppm
Specific Rotation [α] ₂₀ /D(c=4 in 6mol/L HCl)	38-43 (°)	38.54 °
Cell Culture Test	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure
Origin	non-animal source	non-animal source
Solubility in 1 M HCl , Colorless Clear 50 mg/ml	pass	Pass
Appearance(V33813)	White Powder or Crystals	White Powder or Crystals

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