

Shanghai yuanye Bio-Technology Co., Ltd

465 Changta Road, SongJiang District, Shanghai 201604, China

Certificate of Analysis

Date of Testing: 2026-07-04 18:17:39

Date of Next Testing: 2030-07-03 18:17:39

Product Name: **L-Valine**

CAS Number: 72-18-4

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

Lot #: F2612097

SKU #: **V33862**

Version: **0**

Analysis #: **739972**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Sulfate(SO42-)	0-0.02 (%)	0.00610 %
PH(5% in Water)(USP)	5.5-7	5.91000
Endotoxin Assay	0-1 (EU/mg)	0.17900 EU/mg
Iron(Fe)	0-10 (ppm)	0.00000 ppm
Specific Rotation[a]25/D(c=8 in 6M HCL/USP)	26.6-28.8 (°)	28.73300 °
Specific Rotation [a]20/D(c=8 in 6 M HCl / EP in JP)	27.6-28.7 (°)	28.19100 °
Ammonia (NH4)	0-0.02 (%)	0.02000 %
Heavy metals	0-10 (ppm)	0.00000 ppm
Arsenic(As)	0-1 (ppm)	0.00000 ppm
Residue on ignition(Ash)	0-0.1 (%)	0.00000 %
Cell Culture Test	pass	Pass
Identity by IR	Conforms to Structure	Conforms to Structure
Origin	non-animal source	non-animal source
Solubility in H2O , Colorless Clear , 25mg/ml, H2O	pass	Pass
Appearance(V33862)	White powder	White powder

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Quality Assurance : Xiaoyong Tan

Quality Control : Yunfei Zou

