

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-10-10 19:02:07

Date of Next Testing: 2029-10-09 19:02:07

Product Name: **L-Valine**

CAS Number: 72-18-4

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

Lot #: I2525025

SKU #: **V139523**

Version: **2**

Analysis #: **586061**

Storage Temperature: Room temperature, Cool

Parameter	Limit Values	Result
Sulfate(SO42-)	0-0.02 (%)	0.01000 %
PH(5% in Water)(USP)	5.5-7	6.20000
Endotoxin Assay	0-1 (EU/mg)	0.00000 EU/mg
Iron(Fe)	0-10 (ppm)	5.30000 ppm
Specific Rotation[a]25/D(c=8 in 6M HCL/USP)	26.6-28.8 (°)	26.60100 °
Specific Rotation [a]20/D(c=8 in 6 M HCl / EP in JP)	27.6-28.7 (°)	28.20000 °
Ammonia (NH4)	0-0.02 (%)	0.01000 %
Heavy metals	0-10 (ppm)	6.12000 ppm
Arsenic(As)	0-1 (ppm)	0.09860 ppm
Residue on ignition(Ash)	0-0.1 (%)	0.00140 %
Appearance (V139523)	White powder	White powder
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



QualityAssurance@aladdinsci.com

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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager