

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-12-10 13:59:28

Date of Next Testing: 2028-12-09 13:59:28

Product Name: **L-Valine**

CAS Number: 72-18-4

Specifications & Purity: Moligand™, ≥99%

Lot #: L2406755

SKU #: **V103487**

Version: **0**

Analysis #: **446456**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Specific Rotation [α] ₂₀ /D(c=8 in HCl(1+1))	27-28.5 (°)	27.62000°
Purity(HPLC)	98-100 (%)	99.00000%
Nitrogen by Elemental Analysis	11.3-12.5 (%)	11.50000%
Carbon by Elemental Analysis	50.2-51.7 (%)	51.20000%
Appearance (V103487)	white powder	White powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless ,Clear ,50 mg/mL in H ₂ O	pass	Pass



John Su
QA & QC Manager