

Certificate of Analysis

Date of Testing: 2024-05-24 14:19:08

Date of Next Testing: 2028-05-23 14:19:08

Product Name: **L-Valine**

CAS Number: 72-18-4

Specifications & Purity: 99%

Lot #: E2416435

SKU #: **V103487**

Version: **0**

Analysis #: **336203**

Parameter	Limit Values	Result
Specific Rotation [a] _D (c=8 in HCl(1+1))	27-28.5 (°)	27.00°
Purity(HPLC)	98-100 (%)	99.30000%
Nitrogen by Elemental Analysis	11.3-12.5 (%)	11.97%
Carbon by Elemental Analysis	50.2-51.7 (%)	51.03%
Infrared spectrum	Conforms to Structure	Conforms to Structure
Appearance (V103487)	white powder	White powder
Solubility in H ₂ O , Colorless ,Clear ,50 mg/mL in H ₂ O	pass	Pass



John Su
QA & QC Manager