

Certificate of Analysis

Date of Testing: 2023-11-01 10:34:56
Date of Next Testing: 2027-10-31 10:34:56
Product Name: **L-Valine**
CAS Number: 72-18-4
Specifications & Purity: Moligand™, ≥99%
Lot #: J2325589
SKU #: **V103487**
Version: **0**
Analysis #: **291057**

Parameter	Limit Values	Result
Specific Rotation [α] ₂₀ /D(c=8 in HCl(1+1))	27-28.5 (°)	28.30°
Purity(HPLC)	98-100 (%)	99.23500%
Nitrogen by Elemental Analysis	11.3-12.5 (%)	11.80%
Carbon by Elemental Analysis	50.2-51.7 (%)	50.90%
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