

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-05-07 18:59:19

Date of Next Testing: 2029-05-06 18:59:19

Product Name: **D-Valine**

CAS Number: 640-68-6

Specifications & Purity: $\geq 98\%$

Lot #: D2530366

SKU #: **V101067**

Version: **0**

Analysis #: **384222**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.54000 %
Nitrogen by Elemental Analysis	11.7-12.2 (%)	11.71000 %
Carbon by Elemental Analysis	50.2-52.3 (%)	50.23000 %
Specific Rotation $[\alpha]_{20/D(c=8 \text{ in } -29--26 \text{ } ^\circ)$ 6M HCl)		-26.96000 °
Appearance (V101067)	White to Almost White Powder to Crystals and/or Chunks or Flakes	White to Almost White Powder to Crystals and/or Chunks or Flakes
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , clear to slightly hazy(50mg/ml)	pass	Pass



John Su
QA & QC Manager