

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-08-15 13:28:51

Date of Next Testing: 2030-08-14 13:28:51

Product Name: **Val-Tyr**

CAS Number: 3061-91-4

Specifications & Purity: $\geq 98\%$

Lot #: K2210111

SKU #: **V121391**

Version: **0**

Analysis #: **752962**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis (anhydrous)	9.8-10.5 (%)	9.81000 %
Purity(HPLC)	98-100 (%)	99.09000 %
Specific Rotation $[\alpha]_{25/D}(c=2 \text{ in } 5 \text{ M HCl})$	32-37 ($^{\circ}$)	34.37000 $^{\circ}$
Water by Karl Fischer	0-10 (%)	5.48000 %
Carbon by Elemental Analysis(anhydrous)	59.8-63 (%)	60.07000 %
Appearance (V121391)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless,Clear,50 mg/ml H ₂ O	pass	Pass



John Su
QA & QC Manager