

Certificate of Analysis

Date of Testing: 2022-11-18 15:46:45

Date of Next Testing: 2026-11-17 15:46:45

Product Name: **Val-Tyr**

CAS Number: 3061-91-4

Specifications & Purity: 98%

Lot #: K2210108

SKU #: **V121391**

Analysis: **105516**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.09800 %
Water by Karl Fischer	0-10 (%)	5.49 %
Nitrogen by Elemental Analysis (anhydrous)	9.8-10.5 (%)	9.81 %
Carbon by Elemental Analysis(anhydrous)	59.8-63 (%)	60.07 %
Specific Rotation [α] ₂₅ /D(c=2 in 5 M HCl)	32-37 (°)	34.38 °
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