

Certificate of Analysis

Date of Testing: 2024-01-30 10:47:00
Date of Next Testing: 2028-01-29 10:47:00
Product Name: **Ala-Tyr**
CAS Number: 3061-88-9
Specifications & Purity: $\geq 98.0\%$ (HPLC)
Lot #: G1629023
SKU #: **A121379**
Analysis: **318650**
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Carbon by Elemental Analysis	55.4-58.8 (%)	56.20%
Nitrogen by Elemental Analysis	10.7-11.4 (%)	11.20%
Water by Karl Fischer	0-20 (%)	14.30%
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in } 5\text{mol/L HCl})$	21-23 ($^{\circ}$)	22.10 $^{\circ}$
Purity(HPLC)	98-100 (%)	98.08000%
Appearance (A121379)	white powder	White powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility,50 mg/mL, H ₂ O	Colorless Clear	Colorless Clear



John Su
QA & QC Manager