

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2023-03-04 17:01:44
Date of Next Testing:	2027-03-03 17:01:44
Product Name:	<b>Ala-Tyr</b>
CAS Number:	3061-88-9
Specifications & Purity:	≥98.0%(HPLC)
Lot #:	C2301421
SKU #	<b>A121379</b>
<b>Analysis:</b>	<b>144742</b>
Storage Temperature:	Store at -20°C

Parameter	Limit Values	Result
Carbon by Elemental Analysis	55.4-58.8 (%)	56.38 %
Nitrogen by Elemental Analysis	10.7-11.4 (%)	10.96 %
Water by Karl Fischer	0-20 (%)	3.62 %
Specific Rotation [α] <sub>20</sub> /D(c=2 in 5mol/L HCl)	21-23 (°)	23.00°
Purity(HPLC)	98-100 (%)	98.00000 %
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 <sub>2</sub> O	Colorless Clear	Colorless Clear



John Su  
QA & QC Manager