

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-06-10 16:31:37  
Date of Next Testing: 2029-06-09 16:31:37  
Product Name: **Tyr-Phe**  
CAS Number: 17355-11-2  
Specifications & Purity:  $\geq 98\%$   
Lot #: I2116391  
SKU #: **T121399**  
Version: **1**  
Analysis #: **522471**  
Storage Temperature: Store at  $-20^{\circ}\text{C}$

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.12100 %
Specific Rotation $[\alpha]_{24}^D(c=0.3 \text{ in } 1\text{M HCL})$	15.7-19.7 ( $^{\circ}$ )	18.34 $^{\circ}$
Carbon by Elemental Analysis(Dry base)	64.2-67.5 (%)	64.92800 %
Nitrogen by Elemental Analysis(Dry base)	8.2-8.8 (%)	8.20800 %
Appearance (T121399)	White powder	White powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in AcOH , colorless to faint yellow clear to hazy(25mg/1ml)	colorless to faint yellow Clear to hazy(25mg/1ml)	colorless to faint yellow Clear to hazy(25mg/1ml)



John Su  
QA & QC Manager