

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-04-25 09:31:52  
Date of Next Testing: 2025-04-24 09:31:52  
Product Name: **3-Fluoro-L-phenylalanine**  
CAS Number: 19883-77-3  
Specifications & Purity:  $\geq 98.0\%$ (HPLC)  
Lot #: D2314065  
SKU #: **F132062**  
Analysis: **186135**

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.94500 %
Water by Karl Fischer	0-10 (%)	0.51 %
Purity(Nonaqueous Titration)(calcd.on dried substance)	97.5-102.5 (%)	98.90 %
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in } 1\text{mol/L HCl})(\text{calcd.on anh.sub})$	-7--5 ( $^{\circ}$ )	-7.00 $^{\circ}$
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager