

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-04-24 10:11:20  
Date of Next Testing: 2025-04-23 10:11:20  
Product Name: **3-Fluoro-L-phenylalanine**  
CAS Number: 19883-77-3  
Specifications & Purity:  $\geq 98.0\%$ (HPLC)  
Lot #: D2314486  
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 in 1mol/L HCl)(calcd.on anh.sub | -7--5 (°)             | -7.00°                |
| Proton NMR spectrum  | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager