

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-04-24 10:03:11
Date of Next Testing: 2025-04-23 10:03:11
Product Name: **3-Fluoro-L-phenylalanine**
CAS Number: 19883-77-3
Specifications & Purity: $\geq 98.0\%$ (HPLC)
Lot #: D2314083
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