

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-04-11 10:59:12

Date of Next Testing: 2027-04-11 10:59:12

Product Name: **Ethyl 4,4-difluorocyclohexanecarboxylate**

CAS Number: 178312-47-5

Specifications & Purity:  $\geq 97\%$

Lot #: G2312875

SKU #: **E138390**

Version: **0**

Analysis #: **493125**

| Parameter             | Limit Values                     | Result                           |
|-----------------------|----------------------------------|----------------------------------|
| Purity(GC)            | 97-100 (%)                       | 99.60 %                          |
| Appearance (E138390)  | Colorless to light yellow liquid | Colorless to light yellow liquid |
| Fluorine NMR Spectrum | Conforms to Structure            | Conforms to Structure            |
| Proton NMR spectrum   | Conforms to Structure            | Conforms to Structure            |

A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager