

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-09-09 16:03:58

Date of Next Testing: 2026-09-09 16:03:58

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

CAS Number: 178312-47-5

Specifications & Purity: $\geq 97\%$

Lot #: E1703017

SKU #: **E138390**

Version **0**

Analysis #: **409019**

Parameter	Limit Values	Result
Purity(GC)	97-100 (%)	98.10 %
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