

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 #: G2312940

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