

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-08-07 10:21:38
 Date of Next Testing: 2025-08-06 10:21:38
 Product Name: **Ethyl chlorofluoroacetate**
 CAS Number: 401-56-9
 Specifications & Purity: $\geq 98\%$ (GC)
 Lot #: K2104238
 SKU #: **E138797**
 Version: **0**
 Analysis #: **260772**
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Refractive index n ₂₀ /D	1.393-1.397	1.39400
Density (20°C)	1.234-1.238	1.23600
Purity(GC)	98-100 (%)	98.00900 %
Purity(O ₂ AgNO ₃ titration with after combustion)	97.5-102.5 (%)	100.20000 %
Appearance (E138797)	Colorless to Pale Yellow to Pale Purple Liquid	Colorless to Pale Yellow to Pale Purple Liquid
Fluorine NMR Spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager