

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-07-14 13:08:27

Date of Next Testing: 2026-07-13 13:08:27

Product Name: **Ethyl 4-Chloroacetoacetate**

CAS Number: 638-07-3

Specifications & Purity: $\geq 95\%$ (GC)

Lot #: F2225322

SKU #: **E156137**

Version: **0**

Analysis #: **097875**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(GC)	95-100 (%)	96.07900 %
Refractive index n ₂₀ /D	1.45-1.454	1.45160
Appearance (E156137)	Colorless to Yellow Liquid	Colorless to Yellow Liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure

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

John Su
QA & QC Manager