

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-03-16 16:39:44

Date of Next Testing: 2030-03-15 16:39:44

Product Name: **Ethyl 4-Chloroacetoacetate**

CAS Number: 638-07-3

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

Lot #: C2606186

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 <sub>20</sub> /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