

Certificate of Analysis

Date of Testing: 2023-09-16 10:53:50

Date of Next Testing: 2027-09-15 10:53:50

Product Name: **Ethyl 4-Chloroacetoacetate**

CAS Number: 638-07-3

Specifications & Purity: >95.0%(GC)

Lot #: I2308172

SKU #: **E156137**

Analysis: **031395**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Refractive index n ₂₀ /D	1.45-1.454	1.45
Purity(GC)	95-100 (%)	95.93%
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