

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-09-21 11:43:02  
Date of Next Testing: 2026-09-20 11:43:02  
Product Name: **Ethyl chloroacetate**  
CAS Number: 105-39-5  
Specifications & Purity: AR, ≥99%  
Lot #: I2214583  
SKU #: **E105166**  
Version: **1**  
Analysis #: **130317**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(GC)	99-100 (%)	99.71500 %
Refractive index n <sub>20</sub> /D	1.42-1.423	1.42190
Density (20°C)	1.151-1.155	1.15100
Appearance (E105166)	Colorless to light yellow liquid	Colorless to light yellow liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager