

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-06-28 09:20:28  
 Date of Next Testing: 2028-06-27 09:20:28  
 Product Name: **Diethyl Chlorooxalacetate**  
 CAS Number: 34034-87-2  
 Specifications & Purity:  $\geq 93\%$   
 Lot #: F2414235  
 SKU #: **D123545**  
 Version: **1**  
 Analysis #: **300159**  
 Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                           | Limit Values                              | Result                                    |
|-------------------------------------|-------------------------------------------|-------------------------------------------|
| Density (20°C)                      | 1.232-1.236                               | 1.23400                                   |
| Refractive index n <sub>20</sub> /D | 1.446-1.45                                | 1.44600                                   |
| Purity(GC)                          | 93-100 (%)                                | 95.90100 %                                |
| Appearance (D123545)                | Light yellow to yellow transparent liquid | Light yellow to yellow transparent liquid |
| Infrared spectrum                   | Conforms to Structure                     | Conforms to Structure                     |



John Su  
QA & QC Manager