

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-03-14 14:42:24  
 Date of Next Testing: 2028-03-13 14:42:24  
 Product Name: **Ethyl 4-Oxocyclohexanecarboxylate**  
 CAS Number: 17159-79-4  
 Specifications & Purity:  $\geq 98\%$ (GC)  
 Lot #: C2405334  
 SKU #: **E156205**  
 Version: **1**  
 Analysis #: **331293**  
 Storage Temperature: Room temperature

| Parameter                           | Limit Values               | Result                     |
|-------------------------------------|----------------------------|----------------------------|
| Purity(GC)                          | 98-100 (%)                 | 99.02800 %                 |
| Refractive index n <sub>20</sub> /D | 1.456-1.46                 | 1.46000                    |
| Appearance (E156205)                | Colorless to Yellow Liquid | Colorless to Yellow Liquid |
| Proton NMR spectrum                 | Conforms to Structure      | Conforms to Structure      |



John Su  
QA & QC Manager