

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-12-08 18:31:01

Date of Next Testing: 2026-12-07 18:31:01

Product Name: **Chloroacetic Acid tert-Butyl Ester**

CAS Number: 107-59-5

Specifications & Purity:  $\geq 98\%$

Lot #: L2203297

SKU #: **C111421**

Version: **0**

Analysis #: **157198**

Storage Temperature: Room temperature, Argon charged

| Parameter                          | Limit Values               | Result                     |
|------------------------------------|----------------------------|----------------------------|
| Density (20°C)                     | 1.049-1.057                | 1.05200                    |
| Refractive index n <sub>20/D</sub> | 1.421-1.425                | 1.42330                    |
| Purity(GC)                         | 98-100 (%)                 | 99.40100 %                 |
| Appearance (C111421)               | Colorless to Yellow Liquid | Colorless to Yellow Liquid |
| Proton NMR spectrum                | Conforms to Structure      | Conforms to Structure      |



John Su  
QA & QC Manager