

Shanghai yuanye Bio-Technology Co., Ltd

465 Changta Road, SongJiang District, Shanghai 201604, China

## Certificate of Analysis

Date of Testing: 2025-04-22 10:11:37

Date of Next Testing: 2029-04-21 10:11:37

Product Name: **1-Chloroethyl chloroformate**

CAS Number: 50893-53-3

Specifications & Purity: 98%

Lot #: D2509165

SKU #: **S47741**

Version: **0**

Analysis #: **501484**

Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                           | Limit Values              | Result                    |
|-------------------------------------|---------------------------|---------------------------|
| Density (20°C)                      | 1.312-1.316               | 1.31                      |
| Water by Karl Fischer               | 0-0.1 (%)                 | 0.04 %                    |
| Purity(GC)                          | 98-100 (%)                | 99.73 %                   |
| Refractive index n <sub>20</sub> /D | 1.422-1.425               | 1.42                      |
| Proton NMR spectrum                 | Conforms to Structure     | Conforms to Structure     |
| Appearance(S47741)                  | colorless to brown liquid | colorless to brown liquid |

Quality Assurance : Xiaoyong Tan

Quality Control : Yunfei Zou

