

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-09-13 14:31:07

Date of Next Testing: 2026-09-13 14:31:07

Product Name: **2-Chloroethyl methanesulfonate**

CAS Number: 3570-58-9

Specifications & Purity: >98.0%(GC)

Lot #: D1726100

SKU #: **C138729**

Version: **0**

Analysis #: **407904**

| Parameter                           | Limit Values                              | Result                                    |
|-------------------------------------|-------------------------------------------|-------------------------------------------|
| Purity(GC)                          | 98-100 (%)                                | 98.79 %                                   |
| Density (20°C)                      | 1.405-1.409                               | 1.41                                      |
| Refractive index n <sub>20</sub> /D | 1.455-1.459                               | 1.46                                      |
| Appearance (c138729)                | Colorless to light yellow or brown Liquid | Colorless to light yellow or brown Liquid |
| Proton NMR spectrum                 | Conforms to Structure                     | Conforms to Structure                     |

A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager