

## Certificate of Analysis

Date of Testing: 2024-12-25 16:05:44

Date of Next Testing: 2026-12-15 16:05:44

Product Name: **3-Chloropropanesulfonyl chloride**

CAS Number: 1633-82-5

Specifications & Purity:  $\geq 98\%$

Lot #: C2507101

SKU #: **C122512**

Version: **0**

Analysis #: **446630**

Storage Temperature: Store at -20°C, Argon charged

| Parameter                                                                | Limit Values               | Result                     |
|--------------------------------------------------------------------------|----------------------------|----------------------------|
| Density (20°C)                                                           | 1.455-1.457                | 1.46                       |
| Refractive index n <sub>20</sub> /D                                      | 1.488-1.492                | 1.49                       |
| Purity(O <sub>2</sub> AgNO <sub>3</sub> titration with after combustion) | 97.5-102.5 (%)             | 102.48 %                   |
| Appearance (C122512)                                                     | Colorless to Orange Liquid | Colorless to Orange Liquid |
| Proton NMR spectrum                                                      | Conforms to Structure      | Conforms to Structure      |



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