

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-11-19 13:52:10  
 Date of Next Testing: 2024-11-18 13:52:10  
 Product Name: **2-Chloro-4-(trifluoromethyl)benzenesulfonyl chloride**  
 CAS Number: 175205-54-6  
 Specifications & Purity:  $\geq 97\%$   
 Lot #: K2216322  
 SKU #: **C138381**  
 Version: **0**  
 Analysis #: **126019**  
 Storage Temperature: Room temperature, Argon charged

| Parameter                           | Limit Values                                 | Result                                       |
|-------------------------------------|----------------------------------------------|----------------------------------------------|
| Refractive index n <sub>20</sub> /D | 1.506-1.51                                   | 1.50810                                      |
| Purity (Argentmetric Titration)     | 96.5-103.5 (%)                               | 101.33000 %                                  |
| Density (20°C)                      | 1.635-1.639                                  | 1.63700                                      |
| Appearance (C138381)                | Colorless to White to Yellow Liquid or Solid | Colorless to White to Yellow Liquid or Solid |
| Proton NMR spectrum                 | Conforms to Structure                        | Conforms to Structure                        |



John Su  
QA & QC Manager