

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-08-16 14:08:50  
 Date of Next Testing: 2025-08-15 14:08:50  
 Product Name: **3-Fluoro-4-methylbenzenesulfonyl chloride**  
 CAS Number: 90260-13-2  
 Specifications & Purity:  $\geq 97\%$   
 Lot #: H2310212  
 SKU #: **W137092**  
 Version: **0**  
 Analysis #: **253841**  
 Storage Temperature: Store at 2-8°C

| Parameter                               | Limit Values                                  | Result                                        |
|-----------------------------------------|-----------------------------------------------|-----------------------------------------------|
| Purity(Titration by AgNO <sub>3</sub> ) | 96.5-103.5 (%)                                | 101.57000 %                                   |
| Purity(GC)                              | 97-100 (%)                                    | 99.29400 %                                    |
| Appearance (W137092)                    | White to Off-White Solid, Powder, or Crystals | White to Off-White Solid, Powder, or Crystals |
| Proton NMR spectrum                     | Conforms to Structure                         | Conforms to Structure                         |



John Su  
QA & QC Manager