

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-12-12 16:06:16  
 Date of Next Testing: 2026-12-02 16:06:16  
 Product Name: **3-Fluorobenzoyl Chloride**  
 CAS Number: 1711-07-5  
 Specifications & Purity:  $\geq 98\%$   
 Lot #: H1921175  
 SKU #: **F110292**  
 Version: **0**  
 Analysis #: **448526**  
 Storage Temperature: Room temperature, Argon charged, Desiccated, Cool

| Parameter                           | Limit Values                     | Result                           |
|-------------------------------------|----------------------------------|----------------------------------|
| Purity(GC)                          | 98-100 (%)                       | 98.10000 %                       |
| Refractive index n <sub>20</sub> /D | 1.525-1.529                      | 1.52500                          |
| Purity (Argentmetric Titration)     | 97.5-102.5 (%)                   | 98.01000 %                       |
| Appearance (F110292)                | Colorless to light yellow liquid | Colorless to light yellow liquid |
| Proton NMR spectrum                 | Conforms to Structure            | Conforms to Structure            |



John Su  
QA & QC Manager