

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-02-23 11:25:54  
 Date of Next Testing: 2024-02-13 11:25:54  
 Product Name: **3,5-Dinitrobenzoyl chloride**  
 CAS Number: 99-33-2  
 Specifications & Purity:  $\geq 98\%$   
 Lot #: B2215705  
 SKU #: **D100649**  
 Version: **0**  
 Analysis #: **061517**  
 Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                               | Limit Values                                       | Result                                             |
|-----------------------------------------|----------------------------------------------------|----------------------------------------------------|
| Melting point                           | 68-71 (°C)                                         | 68.39000 °C                                        |
| Purity(Titration by AgNO <sub>3</sub> ) | 97.5-102.5 (%)                                     | 98.48000 %                                         |
| Appearance (D100649)                    | White to Yellow to Orange to Brown Powder/Crystals | White to Yellow to Orange to Brown Powder/Crystals |
| Infrared spectrum                       | Conforms to Structure                              | Conforms to Structure                              |
| Proton NMR spectrum                     | Conforms to Structure                              | Conforms to Structure                              |



John Su  
QA & QC Manager