

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-07-18 15:15:52  
 Date of Next Testing: 2027-07-17 15:15:52  
 Product Name: **3-(Trifluoromethyl)benzoic acid**  
 CAS Number: 454-92-2  
 Specifications & Purity:  $\geq 98\%$   
 Lot #: G2312584  
 SKU #: **T107270**  
 Version: **0**  
 Analysis #: **242839**  
 Storage Temperature: Room temperature

| Parameter                        | Limit Values                                    | Result                                          |
|----------------------------------|-------------------------------------------------|-------------------------------------------------|
| Melting point                    | 104-107 (°C)                                    | 105.58000 °C                                    |
| Purity(Neutralization titration) | 97.5-102.5 (%)                                  | 100.91000 %                                     |
| Purity(GC)                       | 98-100 (%)                                      | 98.73900 %                                      |
| Appearance (T107270)             | White to Light Yellow Powder or Solid or chunks | White to Light Yellow Powder or Solid or chunks |
| Solubility in MeOH               | almost transparency                             | almost transparency                             |
| Infrared spectrum                | Conforms to Structure                           | Conforms to Structure                           |



John Su  
QA & QC Manager