

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-10-25 16:54:31  
 Date of Next Testing: 2028-10-24 16:54:31  
 Product Name: **9-Fluorene-carboxylic Acid**  
 CAS Number: 1989-33-9  
 Specifications & Purity:  $\geq 97\%$ (T)  
 Lot #: J2421564  
 SKU #: **F137506**  
 Version: **1**  
 Analysis #: **368345**  
 Storage Temperature: Room temperature

| Parameter                        | Limit Values                                       | Result                                             |
|----------------------------------|----------------------------------------------------|----------------------------------------------------|
| Purity(Neutralization titration) | 96.5-103.5 (%)                                     | 98.37000 %                                         |
| Melting point                    | 228-232 (°C)                                       | 230.17200 °C                                       |
| Purity(HPLC)                     | 94-100(%)                                          | 95.51000 %                                         |
| Appearance (F137506)             | White to Yellow to Orange to Brown Powder/Crystals | White to Yellow to Orange to Brown Powder/Crystals |
| Proton NMR spectrum              | Conforms to Structure                              | Conforms to Structure                              |



John Su  
QA & QC Manager