

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-10-14 17:54:58  
Date of Next Testing: 2026-10-13 17:54:58  
Product Name: **4,5-Difluoro-2-nitrobenzoic acid**  
CAS Number: 20372-63-8  
Specifications & Purity: 98%  
Lot #: J2211795  
SKU #: **D113493**  
**Analysis: 119881**  
Storage Temperature: Protected from light

| Parameter                        | Limit Values                            | Result                                  |
|----------------------------------|---|---|
| Purity(HPLC)                     | 98-100 (%)                              | 99.72300 %                              |
| Purity(Neutralization titration) | 98-100 (%)                              | 98.80 %                                 |
| Melting point                    | 163-167 (°C)                            | 166.63000 °C                            |
| Appearance (D113493)             | White or light yellow powder or crystal | White or light yellow powder or crystal |
| NMR Spectrum 1H                  | Conforms to Structure                   | Conforms to Structure                   |



John Su  
QA & QC Manager