

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-03-04 10:25:41

Date of Next Testing: 2027-03-04 10:25:41

Product Name: **2',4'-Difluoroacetophenone**

CAS Number: 364-83-0

Specifications & Purity:  $\geq 98\%$

Lot #: E2326372

SKU #: **D123991**

Version **0**

Analysis #: **477432**

| Parameter                           | Limit Values               | Result                     |
|-------------------------------------|----------------------------|----------------------------|
| Purity(GC)                          | 98-100 (%)                 | 99.27 %                    |
| Density (20°C)                      | 1.244-1.248                | 1.25                       |
| Refractive index n <sub>20</sub> /D | 1.487-1.491                | 1.49                       |
| Appearance (D123991)                | Colorless to Yellow Liquid | Colorless to Yellow Liquid |
| Infrared spectrum                   | Conforms to Structure      | Conforms to Structure      |
| Proton NMR spectrum                 | Conforms to Structure      | Conforms to Structure      |

A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager