

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-03-04 15:33:56

Date of Next Testing: 2027-03-03 15:33:56

Product Name: **2,4-Difluoronitrobenzene**

CAS Number: 446-35-5

Specifications & Purity:  $\geq 99\%$ (GC)

Lot #: B2328190

SKU #: **D138851**

Version: **1**

Analysis #: **083478**

Storage Temperature: Room temperature, Argon charged

| Parameter                          | Limit Values                                         | Result                                               |
|------------------------------------|------------------------------------------------------|------------------------------------------------------|
| Density (20°C)                     | 1.45-1.454                                           | 1.45200                                              |
| Refractive index n <sub>20/D</sub> | 1.512-1.514                                          | 1.51320                                              |
| Purity(GC)                         | 99-100 (%)                                           | 99.41400 %                                           |
| Appearance (D138851)               | Yellow to Dark Yellow-Green to Brown clear<br>Liquid | Yellow to Dark Yellow-Green to Brown clear<br>Liquid |
| Proton NMR spectrum                | Conforms to structure                                | Conforms to Structure                                |



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QA & QC Manager