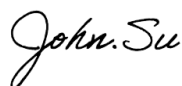


## Certificate of Analysis

Date of Testing: 2023-06-15 14:05:20  
 Date of Next Testing: 2025-06-14 14:05:20  
 Product Name: **2,3-Difluoropyridine-4-carboxylic acid**  
 CAS Number: 851386-31-7  
 Specifications & Purity:  $\geq 97\%$   
 Lot #: I2110388  
 SKU #: **W137075**  
 Version: **0**  
 Analysis #: **241623**  
 Storage Temperature: Store at 2-8°C, Argon charged

| Parameter             | Limit Values                              | Result                                    |
|-----------------------|-------------------------------------------|-------------------------------------------|
| Purity(HPLC)          | 97-100 (%)                                | 98.08800 %                                |
| Appearance (W137075)  | White to Yellow Powder, Crystals or Solid | White to Yellow Powder, Crystals or Solid |
| Fluorine NMR Spectrum | Conforms to Structure                     | Conforms to Structure                     |
| Proton NMR spectrum   | Conforms to Structure                     | Conforms to Structure                     |



John Su  
QA & QC Manager