

Certificate of Analysis

Date of Testing: 2023-12-26 15:56:54
Date of Next Testing: 2027-12-25 15:56:54
Product Name: **3,4-Difluorophenylboronic acid (contains varying amounts of Anhydride)**
CAS Number: 168267-41-2
Specifications & Purity: 98%
Lot #: L2313134
SKU #: **D101128**
Analysis: **309051**

| Parameter | Limit Values | Result |
|----------------------------------|------------------------------|------------------------------|
| Purity(Neutralization titration) | 97.5-102.5 (%) | 98.22 % |
| Purity(HPLC) | 98-100 (%) | 99.15000 % |
| Appearance (D101128) | White or light yellow powder | White or light yellow powder |
| Fluorine NMR Spectrum | Conforms to Structure | Conforms to Structure |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |



John Su
QA & QC Manager