

## Certificate of Analysis

Date of Testing: 2022-07-11 17:09:18

Date of Next Testing: 2026-07-10 17:09:18

Product Name: **1-Chloro-2-fluorobenzene**

CAS Number: 348-51-6

Specifications & Purity: 99%

Lot #: F2221486

SKU #: **C120578**

Analysis: **091641**

| Parameter                           | Limit Values          | Result                |
|-------------------------------------|-----------------------|-----------------------|
| Purity(GC)                          | 99-100 (%)            | 99.60%                |
| Density (20°C)                      | 1.241-1.244           | 1.24                  |
| Refractive index n <sub>20</sub> /D | 1.5-1.502             | 1.50                  |
| 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