

## Certificate of Analysis

Date of Testing: 2023-03-25 15:21:15  
Date of Next Testing: 2025-03-24 15:21:15  
Product Name: **2-Bromo-4-chloro-1-fluorobenzene**  
CAS Number: 1996-30-1  
Specifications & Purity:  $\geq 98.0\%$ (GC)  
Lot #: C2318151  
SKU #: **B132950**  
Analysis: **170663**

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	98.29%
Refractive index n <sub>20</sub> /D	1.553-1.557	1.55
Density (20°C)	1.735-1.739	1.74
Appearance (B132950)	Colorless to tan liquid	Colorless to tan liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager