

## Certificate of Analysis

Date of Testing: 2023-03-18 15:17:28  
Date of Next Testing: 2025-03-07 15:17:28  
Product Name: **3-Bromo-2-fluorotoluene**  
CAS Number: 59907-12-9  
Specifications & Purity: 98%  
Lot #: C2313406  
SKU #: **B120733**  
Analysis: **157174**

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	99.55 %
Refractive index n <sub>20</sub> /D	1.531-1.534	1.53
Density (20°C)	1.521-1.525	1.52
Appearance (B120733)	Colorless liquid	Colorless liquid
Fluorine NMR Spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager