

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-08-15 09:39:31  
Date of Next Testing: 2026-08-15 09:39:31  
Product Name: **3,4-Difluorobenzenesulfonyl Chloride**  
CAS Number: 145758-05-0  
Specifications & Purity:  $\geq 98.0\%$ (GC)  
Lot #: J2219553  
SKU #: **D132774**  
Version: **0**  
Analysis #: **399448**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Density (20°C)	1.561-1.567	1.56
Purity(GC)	98-100 (%)	99.80%
Refractive index n <sub>20</sub> /D	1.513-1.517	1.51
Appearance (D132774)	Colorless to Light orange to Yellow clear liquid	Colorless to Light orange to Yellow clear liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager