

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-08-15 11:14:24
 Date of Next Testing: 2024-08-14 11:14:24
 Product Name: **2,4-Difluorobenzenesulfonyl chloride**
 CAS Number: 13918-92-8
 Specifications & Purity: $\geq 98\%$ (GC)
 Lot #: H2206625
 SKU #: **D138204**
 Version: **0**
 Analysis #: **102193**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Refractive index n ₂₀ /D	1.516-1.52	1.51700
Purity(GC)	98-100 (%)	98.76300 %
Purity (Argentmetric Titration)	97.5-102.5 (%)	100.97000 %
Density (20°C)	1.569-1.573	1.57100
Appearance (D138204)	Colorless to Yellow Liquid	Colorless to Yellow Liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager