

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-03-21 17:23:18
 Date of Next Testing: 2026-03-21 17:23:18
 Product Name: **4-Fluoro-2-(trifluoromethyl)benzoyl Chloride**
 CAS Number: 189807-21-4
 Specifications & Purity: $\geq 98\%$ (GC)
 Lot #: E2223096
 SKU #: **F135324**
 Version: **0**
 Analysis #: **330144**
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Refractive index n ₂₀ /D	1.466-1.47	1.46900
Density (20°C)	1.503-1.51	1.50800
Purity(Titration by AgNO ₃)	97.5-102.5 (%)	99.96000 %
Purity(GC)	98-100 (%)	98.01700 %
Appearance (F135324)	Colorless to Yellow Liquid	Colorless to Yellow Liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager