

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-11-30 11:54:11

Date of Next Testing: 2026-11-29 11:54:11

Product Name: **3-Fluoro-2-thiophenecarboxylic Acid**

CAS Number: 32431-84-8

Specifications & Purity: 98%

Lot #: K2225475

SKU #: **F156771**

Analysis: **129253**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Melting point	174-180 (°C)	174.57000 °C
Purity(GC)	98-100 (%)	98.64 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance(F156771)	White to almost white powder to crystal	White to Almost white powder to crystal
Infrared spectrum	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager