

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-01-09 10:20:55

Date of Next Testing: 2027-01-08 10:20:55

Product Name: **Ethyl 5-chlorothiophene-2-carboxylate**

CAS Number: 5751-82-6

Specifications & Purity: $\geq 98\%$

Lot #: B2317741

SKU #: **E123061**

Version: **1**

Analysis #: **167070**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Refractive index n _{20/D}	1.537-1.539	1.53790
Purity(GC)	98-100%	98.13000 %
Appearance (E123061)	Colorless to light yellow liquid	Colorless to light yellow liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Infrared spectrum	Conforms to Structure	Conforms to Structure

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

John Su
QA & QC Manager