

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 #: B2317780

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



John Su
QA & QC Manager