

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-04-07 16:34:56

Date of Next Testing: 2028-04-06 16:34:56

Product Name: **Ethyl 5-chloro-4-nitrothiophene-2-carboxylate**

CAS Number: 89640-03-9

Specifications & Purity:  $\geq 97\%$

Lot #: C2526653

SKU #: **E187889**

Version: **2**

Analysis #: **416530**

Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

| Parameter                | Limit Values          | Result                |
|--------------------------|-----------------------|-----------------------|
| Purity(HPLC area)        | 97-100 (%)            | 99.97800 %            |
| Proton NMR spectrum      | Conforms to Structure | Conforms to Structure |
| LC-MS for identification | Conforms              | Conforms              |

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

John Su  
QA & QC Manager