

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-05-10 15:10:47

Date of Next Testing: 2026-05-09 15:10:47

Product Name: **Ethyl thiophene-3-carboxylate**

CAS Number: 5751-80-4

Specifications & Purity:  $\geq 98\%$

Lot #: G1409043

SKU #: **E123056**

Version: **1**

Analysis #: **087652**

Storage Temperature: Room temperature

| Parameter                           | Limit Values                     | Result                           |
|-------------------------------------|----------------------------------|----------------------------------|
| Purity(GC)                          | 98-100%                          | 98.99100 %                       |
| Refractive index n <sub>20</sub> /D | 1.522-1.523                      | 1.52210                          |
| Appearance (E123056)                | Colorless to light yellow liquid | Colorless to light yellow liquid |
| Infrared spectrum                   | Conforms to Structure            | Conforms to Structure            |
| Proton NMR spectrum                 | Conforms to Structure            | Conforms to Structure            |



John Su  
QA & QC Manager