

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-03-16 09:09:53

Date of Next Testing: 2025-03-05 09:09:53

Product Name: **2-Ethynylthiophene**

CAS Number: 4298-52-6

Specifications & Purity:  $\geq 97\%$

Lot #: F2122022

SKU #: **E107746**

Version: **0**

Analysis #: **199880**

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

| Parameter                          | Limit Values                                | Result                                      |
|------------------------------------|---------------------------------------------|---------------------------------------------|
| Refractive index n <sub>20/D</sub> | 1.582-1.586                                 | 1.58500                                     |
| Purity(GC)                         | 97-100 (%)                                  | 99.28800 %                                  |
| Density (20°C)                     | 1.081-1.086                                 | 1.08400                                     |
| Appearance (E107746)               | Yellow to brown to dark purple clear liquid | Yellow to brown to dark purple clear liquid |
| Infrared spectrum                  | Conforms to Structure                       | Conforms to Structure                       |
| Proton NMR spectrum                | Conforms to Structure                       | Conforms to Structure                       |



John Su  
QA & QC Manager