

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2021-11-15 17:35:15

Date of Next Testing: 2023-11-05 17:35:15

Product Name: **Thiophene**

CAS Number: 110-02-1

Specifications & Purity: 99%

Lot #: K2111953

SKU #: **T108259**

**Analysis:** **044092**

Storage Temperature: Room temperature, Argon charged

| Parameter                          | Limit Values          | Result                |
|------------------------------------|-----------------------|-----------------------|
| Refractive index n <sub>20/D</sub> | 1.525-1.53            | 1.53                  |
| Purity(GC)                         | 99-100 (%)            | 99.65 %               |
| Density (20°C)                     | 1.063-1.068           | 1.07                  |
| Appearance (T108259)               | Colorless Liquid      | Colorless liquid      |
| Infrared spectrum                  | Conforms to Structure | Conforms to Structure |

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

John Su  
QA & QC Manager