

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-03-17 10:18:33

Date of Next Testing: 2027-03-16 10:18:33

Product Name: **3-Butylthiophene**

CAS Number: 34722-01-5

Specifications & Purity: 98%

Lot #: C2308355

SKU #: **B100752**

**Analysis:** **062084**

Storage Temperature: Argon charged

| Parameter                          | Limit Values                     | Result                           |
|------------------------------------|----------------------------------|----------------------------------|
| Density (20°C)                     | 0.959-0.967                      | 0.96                             |
| Refractive index n <sub>20/D</sub> | 1.501-1.504                      | 1.50                             |
| Purity(GC)                         | 98-100 (%)                       | 98.80 %                          |
| Appearance (B100752)               | Colorless to light yellow liquid | Colorless to light yellow liquid |
| Proton NMR spectrum                | Conforms to Structure            | Conforms to Structure            |

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

John Su  
QA & QC Manager