

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-12-15 10:57:53

Date of Next Testing: 2026-12-14 10:57:53

Product Name: **2,5-Dibromo-3-decylthiophene**

CAS Number: 158956-23-1

Specifications & Purity: >97.0%(GC)

Lot #: L2205184

SKU #: **D155671**

**Analysis:** **142939**

Storage Temperature: Store at 2-8°C

| Parameter                           | Limit Values                  | Result                                               |
|-------------------------------------|-------------------------------|------------------------------------------------------|
| Purity(GC)                          | 97-100 (%)                    | 97.20 %                                              |
| Refractive index n <sub>20</sub> /D | 1.535-1.539                   | 1.54                                                 |
| Appearance (D155671)                | light yellow to orange liquid | light yellow to orange to Brown to Dark Brown 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