

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-11-10 14:07:00  
 Date of Next Testing: 2029-11-09 14:07:00  
 Product Name: **2,5-Dibromo-3-decylthiophene**  
 CAS Number: 158956-23-1  
 Specifications & Purity:  $\geq 97\%$ (GC)  
 Lot #: K2504050  
 SKU #: **D155671**  
 Version: **0**  
 Analysis #: **607234**  
 Storage Temperature: Store at 2-8°C

| Parameter                          | Limit Values                                            | Result                                                  |
|------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Purity(GC)                         | 97-100 (%)                                              | 97.20000 %                                              |
| Refractive index n <sub>20/D</sub> | 1.535-1.539                                             | 1.53600                                                 |
| Appearance (D155671)               | light yellow to orange to Brown to Dark Brown<br>liquid | light yellow to orange to Brown to Dark Brown<br>liquid |
| Proton NMR spectrum                | Conforms to Structure                                   | Conforms to Structure                                   |



John Su  
 QA & QC Manager