

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-01-05 17:18:57  
 Date of Next Testing: 2030-01-04 17:18:57  
 Product Name: **Lawesson reagent**  
 CAS Number: 19172-47-5  
 Specifications & Purity:  $\geq 97\%$   
 Lot #: L2523070  
 SKU #: **L101823**  
 Version: **5**  
 Analysis #: **576490**  
 Storage Temperature: Room temperature, Argon charged, Desiccated, Cool

| Parameter                    | Limit Values                                       | Result                                             |
|------------------------------|----------------------------------------------------|----------------------------------------------------|
| Melting point                | 220-226 (°C)                                       | 224.84000 °C                                       |
| Purity(HPLC)                 | 97-100 (%)                                         | 100.00000 %                                        |
| Sulfur by Elemental Analysis | 28-32 (%)                                          | 29.96700 %                                         |
| Appearance (L101823)         | off-white to yellow to light brown powder or solid | off-white to yellow to light brown powder or solid |
| Proton NMR spectrum          | Conforms to Structure                              | Conforms to Structure                              |
| Infrared spectrum            | Conforms to Structure                              | Conforms to Structure                              |



John Su  
QA & QC Manager