

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-07-08 14:35:40  
 Date of Next Testing: 2027-06-28 14:35:40  
 Product Name: **Rubrene**  
 CAS Number: 517-51-1  
 Specifications & Purity:  $\geq 98\%$ (HPLC)  
 Lot #: A2215255  
 SKU #: **R115353**  
 Version: **0**  
 Analysis #: **525714**  
 Storage Temperature: Room temperature, Argon charged

| Parameter                                                       | Limit Values                                  | Result                                        |
|-----------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|
| Extinction Coefficient(c = 0.005g/l, Heptane)<br>(221 - 227 nm) | $\geq 35000$                                  | 35000.00                                      |
| Extinction Coefficient(c = 0.005g/l, Heptane)<br>(485 - 491 nm) | $\geq 9000$                                   | 9000.00                                       |
| Extinction Coefficient(c = 0.005g/l, Heptane)<br>(520 - 526 nm) | $\geq 9000$                                   | 9000.00                                       |
| Extinction Coefficient(c = 0.005g/l, Heptane)<br>(457 - 463 nm) | $\geq 5000$                                   | 5000.00                                       |
| Carbon by Elemental Analysis                                    | 93.3-96.1 (%)                                 | 93.50 %                                       |
| Extinction Coefficient(c = 0.005g/l, Heptane)<br>(296 - 302 nm) | $\geq 95000$                                  | 95000.00                                      |
| Purity(HPLC)                                                    | 98-100 (%)                                    | 99.57000 %                                    |
| Appearance (R115353)                                            | Orange to Very Dark Red powder<br>or crystals | Orange to Very Dark Red powder<br>or crystals |
| Infrared spectrum                                               | Conforms to Structure                         | Conforms to Structure                         |
| Proton NMR spectrum                                             | Conforms to Structure                         | Conforms to Structure                         |



QualityAssurance@aladdinsci.com

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

John Su  
QA & QC Manager