

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-08-12 16:05:13

Date of Next Testing: 2027-08-12 16:05:13

Product Name: **3,3'-Diocetadecyloxacarbocyanine perchlorate**

CAS Number: 34215-57-1

Specifications & Purity:  $\geq 98\%$

Lot #: H2507554

SKU #: **D131213**

Version: **0**

Analysis #: **518203**

Storage Temperature: Store at 2-8°C, Protected from light

| Parameter                                                 | Limit Values          | Result                |
|-----------------------------------------------------------|-----------------------|-----------------------|
| Purity(TLC)                                               | 98-100 (%)            | 98.13000 %            |
| Carbon by Elemental Analysis                              | 70.4-74 (%)           | 70.83000 %            |
| Nitrogen by Elemental Analysis                            | 2.5-3.7 (%)           | 3.19000 %             |
| Appearance (D131213)                                      | orange powder         | orange powder         |
| Proton NMR spectrum                                       | Conforms to Structure | Conforms to Structure |
| Solubility in CHCL <sub>3</sub> , Orange, clear, 50 mg/ml | pass                  | Pass                  |



John Su  
QA & QC Manager