

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-02-04 10:17:20

Date of Next Testing: 2028-02-03 10:17:20

Product Name: **Quinizarin Green SS**

CAS Number: 128-80-3

Specifications & Purity:  $\geq 98\%$

Lot #: A2431260

SKU #: **Q160824**

Version: **2**

Analysis #: **315221**

Storage Temperature: Room temperature

| Parameter                                    | Limit Values                                   | Result                                         |
|----------------------------------------------|------------------------------------------------|------------------------------------------------|
| Purity(with Total Nitrogen)                  | 98-100 (%)                                     | 98.99000 %                                     |
| Lambda max(Acetone)                          | 508-603 (nm)                                   | 602.00000 nm                                   |
| Lambda max.2(Acetone)                        | 635-640 (nm)                                   | 638.00000 nm                                   |
| Extinction Coefficient(591-611nm,in Acetone) | $\geq 14000$                                   | 14096.84210                                    |
| Extinction Coefficient(624-644nm,in Acetone) | $\geq 15000$                                   | 15000.10000                                    |
| Appearance(Q160824)                          | Gray to Dark purple to Black powder to crystal | Gray to Dark purple to Black powder to crystal |
| NMR Spectrum 1H                              | Conforms to Structure                          | Conforms to Structure                          |



John Su  
QA & QC Manager