

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-01-10 09:47:10

Date of Next Testing: 2027-01-09 09:47:10

Product Name: **Fluorescein sodium salt**

CAS Number: 518-47-8

Specifications & Purity: AR

Lot #: A2304334

SKU #: **F105615**

Version: **1**

Analysis #: **156214**

Storage Temperature: Room temperature, Argon charged

| Parameter                                                            | Limit Values                                   | Result                                         |
|----------------------------------------------------------------------|------------------------------------------------|------------------------------------------------|
| $\lambda$ max(in buffer pH 8, Na <sub>2</sub> CO <sub>3</sub> sol.)  | 489-493 (nm)                                   | 491.00000 nm                                   |
| Absorpt. Ratio P-15/P+15                                             | 1.2-1.7                                        | 1.48177                                        |
| Assay                                                                | 80-100 (%)                                     | 94.09700 %                                     |
| Loss on drying(105°C)                                                | 0-10 (%)                                       | 2.07594 %                                      |
| Extinction (1%/1CM , 486 - 496 nm)                                   | ≥ 900                                          | 1611.11111                                     |
| Appearance (F105615)                                                 | Orange to Brown Powder, Crystals and/or Chunks | Orange to Brown Powder, Crystals and/or Chunks |
| Solubility, Yellow to Green, Clear to Hazy, 1mg/ml, H <sub>2</sub> O | pass                                           | Pass                                           |
| Infrared spectrum                                                    | Conforms to Structure                          | Conforms to Structure                          |



John Su  
QA & QC Manager