

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-03-03 18:54:29  
 Date of Next Testing: 2027-03-02 18:54:29  
 Product Name: **Alizarin Cyanin Green F**  
 CAS Number: 4403-90-1  
 Specifications & Purity: AR  
 Lot #: B2325215  
 SKU #: **A112782**  
 Version: **0**  
 Analysis #: **194011**  
 Storage Temperature: Room temperature, Desiccated

| Parameter                                             | Limit Values                                | Result                                      |
|-------------------------------------------------------|---------------------------------------------|---------------------------------------------|
| Absorbance(E1%1cm)(H <sub>2</sub> O, 639.0 - 643.0nm) | ≥150                                        | 164.07767                                   |
| λ max(H <sub>2</sub> O)                               | 639-643 (nm)                                | 643.00000 nm                                |
| Dye content(HPLC)                                     | 75-100 (%)                                  | 98.69300 %                                  |
| Appearance (A112782)                                  | Green to very dark green powder or crystals | Green to very dark green powder or crystals |
| Infrared spectrum                                     | Conforms to Structure                       | Conforms to Structure                       |
| Proton NMR spectrum                                   | Conforms to Structure                       | Conforms to Structure                       |



John Su  
QA & QC Manager