

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-12-28 10:32:19

Date of Next Testing: 2028-12-27 10:32:19

Product Name: **Alizarin complexone**

CAS Number: 3952-78-1

Specifications & Purity: high-purity, ≥98%

Lot #: L2424279

SKU #: **A108722**

Version: **2**

Analysis #: **446013**

Storage Temperature: Room temperature

| Parameter                                       | Limit Values                                 | Result                                       |
|-------------------------------------------------|----------------------------------------------|----------------------------------------------|
| Nitrogen by Elemental Analysis (anhydrous)      | 3.2-4 (%)                                    | 3.62500 %                                    |
| Carbon by Elemental Analysis(anhydrous)         | 57.7-60.7 (%)                                | 58.64600 %                                   |
| Loss on drying                                  | 0-10 (%)                                     | 0.54945 %                                    |
| Purity(HPLC)                                    | 98-100 (%)                                   | 99.72200 %                                   |
| Appearance (A108722)                            | Yellow to Orange to Brown Powder or Crystals | Yellow to Orange to Brown Powder or Crystals |
| Solubility in 1M NaOH , Blue to Purple,10 mg/mL | Blue to Purple,10 mg/mL                      | Blue to Purple,10 mg/mL                      |
| Carbon NMR Spectrum                             | Conforms to structure                        | Conforms to Structure                        |



John Su  
QA & QC Manager