

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-12-10 18:22:57

Date of Next Testing: 2029-12-09 18:22:57

Product Name: **Congo red**

CAS Number: 573-58-0

Specifications & Purity:  $\geq 98\%$ (HPLC)

Lot #: L2501228

SKU #: **C128371**

Version: **0**

Analysis #: **609668**

Storage Temperature: Room temperature

| Parameter                                          | Limit Values                        | Result                              |
|----------------------------------------------------|-------------------------------------|-------------------------------------|
| Purity(HPLC)                                       | 98-100 (%)                          | 99.97900 %                          |
| Absorbance(10 mg/L, pH 5.0, 488.0 to 492.0 nm)     | 0-0.27                              | 0.00000                             |
| Loss on drying                                     | 0-8 (%)                             | 3.73000 %                           |
| Ignition Residue (as sulfate)(anhydrous)           | 18-40 (%)                           | 20.00000 %                          |
| Appearance (C128371)                               | Blue to Dark Red Powder or Crystals | Blue to Dark Red Powder or Crystals |
| Infrared spectrum                                  | Conforms to Structure               | Conforms to Structure               |
| Proton NMR spectrum                                | Conforms to Structure               | Conforms to Structure               |
| Solubility in H <sub>2</sub> O , Dark Red,10 mg/ml | pass                                | Pass                                |
| Visual Interval,pH3.0(purple) to pH5.2(red)        | Pass                                | Pass                                |



John Su  
QA & QC Manager