

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-09-12 18:28:28

Date of Next Testing: 2029-09-11 18:28:28

Product Name: **Congo red**

CAS Number: 573-58-0

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

Lot #: I2502262

SKU #: **C128371**

Version: **0**

Analysis #: **561382**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.97300 %
Absorbance(10 mg/L, pH 5.0, 488.0 to 492.0 nm)	0-0.27	0.00000
Loss on drying	0-8 (%)	2.06000 %
Ignition Residue (as sulfate)(anhydrous)	18-40 (%)	30.00000 %
Appearance (C128371)	Blue to Dark Red Powder or Crystals	Blue to Dark Red Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Dark Red,10 mg/ml	pass	Pass
Visual Interval,pH3.0(purple) to pH5.2(red)	Pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager