

## Certificate of Analysis

Date of Testing: 2022-10-21 17:11:21  
Date of Next Testing: 2026-10-20 17:11:21  
Product Name: **Congo red**  
CAS Number: 573-58-0  
Specifications & Purity: >98.0%(HPLC)  
Lot #: J2217331  
SKU #: **C128371**  
Analysis: **140616**

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.30000 %
Absorbance(10 mg/L, pH 5.0, 488.0 to 492.0 nm)	0-0.27	0.17
Loss on drying	0-8 (%)	0.59 %
Ignition Residue (as sulfate)(anhydrous)	18-40 (%)	23.68 %
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