



## UNISOURCE CHEMICALS PRIVATE LIMITED

Factory : L-15 MIDC TARAPUR, BOISAR - 401506 DIST. Palghar,INDIA.  
Tel.: ++91-22-22019990 ; 2205 2250; E-mail: unisourceindia@gmail.com; Web: www.ucplchem.com  
AN ISO 9001:2015 & GMP CERTIFIED COMPANY

### **Product Information**

### **TECHNICAL DATA SHEET / Specification Sheet**

#### **Congo red**

Synonym	: Cosmos red
Molecular Formula	: $C_{32}H_{22}Na_2N_6O_6S_2$
Molecular Weight	: 696.66
CAS No.	: 573-58-0
Colour Index No.	: 22120
Shelf Life	: 5 years

#### **Technical Specification**

Appearance	: Red to brown powder
Solubility	: 20 ppm in water yields clear to slightly turbid solution
Visual pH Transition	: pH 3.0 (violet) - pH 5.2 (Orange-red)
FTIR (KBr disc)	: Matches with the standard pattern
Absorption maxima	: 497 - 500 nm (20 ppm in water at pH 5.2)
Loss on drying (at 105°C, 2hr)	: $\leq 8.0\%$