

Product Information

TECHNICAL DATA SHEET / Specification Sheet

Congo red

Synonym	: Cosmos red
Molecular Formula	: C ₃₂ H ₂₂ Na ₂ N ₆ O ₆ S 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)	: <= 8.0%