



UNISOURCE CHEMICALS PRIVATE LIMITED

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AN ISO 9001:2015 & GMP CERTIFIED COMPANY

Product Information

TECHNICAL DATA SHEET / Specification Sheet

Cresol red

Synonym	: o-Cresolsulphonphthalein
Molecular Formula	: C ₂₁ H ₁₈ O ₅ S
Molecular Weight	: 382.43
CAS No.	: 1733-12-6
Shelf Life	: 5 years

Technical Specification

Appearance	: Green to dark red to maroon crystals or powder
Solubility	: 20 ppm in alcohol yields clear solution
Visual pH Transition	: pH 7.20 (yellow) - pH 8.80 (red)
FTIR (KBr disc)	: Matches with the standard pattern
Absorption maxima	: 571 - 575 nm (5 ppm in water + 20 mL pH 9.0 boric buffer)
Specific Absorbance	: ≥ 50000 (5 ppm in water + 20 mL pH 9.0 boric buffer at 571 - 575 nm)
Loss on drying (at 110°C, 1hr)	: $\leq 5.00\%$