



UNISOURCE CHEMICALS PRIVATE LIMITED

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AN ISO 9001:2015 & GMP CERTIFIED COMPANY

Product Information

TECHNICAL DATA SHEET / Specification Sheet

Bromocresol purple

Synonym	: 5-5'-Dibromo-o-cresolsulphonphthalein
Molecular Formula	: C ₂₁ H ₁₆ Br ₂ O ₅ S
Molecular Weight	: 540.22
CAS No.	: 115-40-2
Shelf Life	: 5 years

Technical Specification

Appearance	: Grey to light purple or pink to yellow-tan crystals or powder
Solubility	: 20 ppm in 50% ethanol yields clear solution
Visual pH Transition	: pH 5.20 (yellow) - pH 6.80 (purple)
FTIR (KBr disc)	: Matches with the standard pattern
Absorption maxima (pH 5.2)	: 426 - 436 nm (20 ppm in 50% ethanol)
Absorption maxima (pH 6.8)	: 584 - 594 nm (20 ppm in 50% ethanol)
Absorptivity 1	: 400 - 450 (20 ppm in 50% ethanol, at 426 - 436 nm)
Absorptivity 2	: 1000 - 1100 (20 ppm in 50% ethanol, at 584 - 594 nm)
Loss on drying (at 110°C, 2hr)	: <= 5.0%