

Product Name: Bromocresol Purple
Catalog Number: A19530.30

CAS Number: 115-40-2
IUPAC Name: 3,3-bis(3-bromo-4-hydroxy-5-methylphenyl)-3H-2,1λ⁶-benzoxathiole-1,1-dione
Molecular Formula: C₂₁H₁₆Br₂O₅S
Molecular Weight: 540.22
InChI Key: ABIUHPWEYMSGSR-UHFFFAOYSA-N
SMILES: CC1=CC(=CC(Br)=C1O)C1(OS(=O)(=O)C2=CC=CC=C12)C1=CC(C)=C(O)C(Br)=C1
Synonym: bromocresol purple bromcresol purple

Product Specification

Appearance (Color): Grey to light purple to pink to peach to yellow-tan powder
Form: Powder
Loss on Drying: ≤1.5% (105°C/constant weight)
Solution Test: 1% in ethanol: clear, yellow to orange
Specific Absorbance (E 1%/1cm): ≥380 @ pH 5.2 (431nm)
Specific Absorbance (E 1%/1cm): ≥950 @ pH 6.8 (589nm)
UV spectrophotometry: ≥380 @ pH 5.2 (431nm)
UV spectrophotometry: ≥950 @ pH 6.8 (589nm)
Color Change: Green-yellow @ pH 5.2 to Bluish-violet @ pH 6.8

Date Of Print: 05/11/2025

Product Specifications are subject to amendment and may change over time. Data contained is accurate as of the date printed.