

Product Name: Bromophenol Blue
Catalog Number: A18469.09

CAS Number: 115-39-9
IUPAC Name: 3,3-bis(3,5-dibromo-4-hydroxyphenyl)-3H-2,1λ⁶-benzoxathiole-1,1-dione
Molecular Formula: C₁₉H₁₀Br₄O₅S
Molecular Weight: 669.96
InChI Key: UDSAIIICHUKSCKT-UHFFFAOYSA-N
SMILES: OC1=C(Br)C=C(C=C1Br)C1(OS(=O)(=O)C2=CC=CC=C12)C1=CC(Br)=C(O)C(Br)=C1
Synonym: bromophenol blue bromophenol blue, sultone form

Product Specification

Appearance (Color): Pale pink to dark pink to red
Form: Powder
Color Change: 3.0 (yellow) to 4.6 (blue-violet)
lambda-max (UV-Vis): 488 - 594nm (water, pH >= 4.6)
Loss on Drying: <1.5% (110°C/hr)
Specific Absorbance (E 1%/1cm): (1%/1 cm) >= 940 at lambda-max

Date Of Print: 12/14/2025

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