

Product Name: Tetrabromophenol Blue
Catalog Number: B20123.14

CAS Number: 4430-25-5
IUPAC Name: 4,5,6,7-tetrabromo-3,3-bis(3,5-dibromo-4-hydroxyphenyl)-3H-2,1λ⁶-benzoxathiole-1,1-dione
Molecular Formula: C₁₉H₆Br₈O₅S
Molecular Weight: 985.54
InChI Key: QPMIVFWZGPTDPN-UHFFFAOYSA-N
SMILES: OC1=C(Br)C=C(C=C1Br)C1(OS(=O)(=O)C2=C(Br)C(Br)=C(Br)C(Br)=C12)C1=CC(Br)=C(O)C(Br)=C1
Synonym: tetrabromophenol blue

Product Specification

Appearance (Color): Pale cream to pale brown to grey
Form: Powder
Comment: Identity confirmed by UV-Spectroscopy (non-U.S. specification)
lambda-max (UV-Vis): 606-616nm (in buffer @ pH 5) (non-U.S. specification)
Assay from Suppliers CofA: ≥85%
Assay from Suppliers CofA: Bromine, Br content: ≥95% of theoretical amount (non-U.S. specification)
Loss on Drying: ≤2%
Comment: Specification differs for U.S. and non-U.S. material where indicated
Specific Absorbance (E 1%/1cm): ≥55,000 (Lambda-max @ 606-616nm)

Date Of Print: 08/26/2024

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