

**Product Name:** Tetrabromophenol Blue  
**Catalog Number:** B20123.14

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**CAS Number:** 4430-25-5  
**IUPAC Name:** 4,5,6,7-tetrabromo-3,3-bis(3,5-dibromo-4-hydroxyphenyl)-3H-2,1λ<sup>6</sup>-benzoxathiole-1,1-dione  
**Molecular Formula:** C<sub>19</sub>H<sub>6</sub>Br<sub>8</sub>O<sub>5</sub>S  
**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  
**Assay from Suppliers CofA:** ≥85%  
**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:** 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)

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**Date Of Print:** 03/12/2025

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