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## 2,6-Dibromoquinone-chlorimide

(2,6-Dibromo-N-chloro-p-benzoquinone Imine; DBQ Reagent),  $O:C_6H_2Br_2:NCI$  299.35 CAS RN<sup>®</sup>: 537-45-1.—A yellow, crystalline powder. Insoluble in water; soluble in alcohol and in dilute alkali hydroxide solutions.

**MELTING RANGE (741):** between 82° and 84°.

**Solubility in Alcohol:** A solution of 100 mg in 10 mL of alcohol is not more than faintly turbid.

**Residue on Ignition (Reagent test):** Ignite 500 mg with 0.5 mL of sulfuric acid: the residue weighs not more than 1 mg (0.2%).

**Sensitiveness:** To 10 mL of a water solution containing 0.01 mg of phenol add 0.3 mL of a sodium borate buffer (made by dissolving 2.84 g of crystallized sodium borate in 90 mL of warm water, adding 8.2 mL of 1 N sodium hydroxide, and diluting with water to 100 mL) and 0.1 mL of a solution of 10 mg of the test specimen in 20 mL of alcohol: a distinct blue color develops within 10 minutes.

**Auxiliary Information** - Please [check for your question in the FAQs](#) before contacting USP.

Topic/Question	Contact	Expert Committee
2,6-DIBROMOQUINONE-CHLORIMIDE	<a href="#">Margareth R.C. Marques</a> Principal Scientific Liaison	HDQ Headquarters

**Most Recently Appeared In:**

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