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2,6-Dichloroquinone-chlorimide

(2,6-Dichloro-N-chloro-p-benzoquinone Imine), $O:C_6H_2Cl_2:NCl$ 210.44—Pale yellow, crystalline powder. Insoluble in water; soluble in alcohol and in dilute alkali hydroxide solutions.

Solubility in Alcohol: A solution of 100 mg in 10 mL of [alcohol](#) is complete and clear.

Residue on Ignition: 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 [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 min.

[NOTE—A suitable grade is available as catalog number D2746 from www.spectrumchemical.com.]

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

Topic/Question	Contact	Expert Committee
2,6-DICHLOROQUINONE-CHLORIMIDE	Margareth R.C. Marques Principal Scientific Liaison	HDQ Headquarters

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