

**1,5-二(2-羟基-5-氯苯基)-3-氰基甲 催化动力学光度法测定痕量锰(II)**

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**Catalytic-kinetic spectrophotometric determination of trace manganese (II) using 1, 5-bis (2-hydroxy-5-chlorophenyl)- 3-cyanofornazan**

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**Abstract** The aerial oxidation of 1, 5-bis (2-hydroxy-5-chlorophenyl)- 3-cyanofornazan (HCPCF) in ammoniacal medium catalyzed by Mn(II) has been investigated and used for spectrophotometric determination of trace Mn(II) in water. The effect of various experimental factors was studied and the optimal conditions for Mn(II) determination were found. It has been shown that the reaction follows the rate expression:

**Key words** [COLORIMETRIC METHOD](#) [DETERMINATION](#) [CATALYSIS](#) [REACTION KINETICS](#) [MANGANESE](#) [CYANO GROUP](#) [FORMAZAN P](#)

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