

Electrocatalytic determination of organic thiocarbonyl compounds using a carbon-paste electrode modified with cobalt phthalocyanine

Popesku L., Shaidarova L., Budnikov G.

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

Results of a voltammetric study of organic thiocarbonyl compounds (thiourea, thioacetamide, thiobenzamide, and dithiooxamide) using a carbon-paste electrode modified with cobalt phthalocyanine are reported. The electrode thus designed shows good reproducibility of voltammetric measurements and can be used for analytical determination of organic compounds containing a thionic group. © 1999 Kluwer Academic/Plenum Publishers.
