

Online determination of perphenazine using flow-injection analysis. Sultan, Salah M.; Abdennabi, Abdella M. Chem. Dep., King Fahd Univ., Dhahran, Saudi Arabia. *Microchemical Journal* (1993), 48(3), 343-8. CODEN: MICJAN ISSN: 0026-265X. Journal written in English. CAN 120:15027 AN 1994:15027 CAPLUS (Copyright (C) 2008 ACS on SciFinder (R))

Abstract

An accurate specific flow injection spectrophotometric method for the detn. of perphenazine in the range 50-250 ppm is introduced. In the method, 110 μL of the drug is injected through a stream of 0.2% (wt./vol.) potassium dichromate in 0.25 M sulfuric acid flowing on line as a carrier stream. The drug is oxidized on the flow to the red monocation radical, the peak absorbance of which is monitored at 525 nm. A throughput of up to 300 samples per h is attained. The mechanism of the reaction is suggested and the method is compared with the USP method.