Validated spectrophotometric and spectrodensitometric methods for determination of a ternary mixture of analgesic drugs in different dosage forms

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Abstract

Abstract Accurate, sensitive and precise methods have been developed for determination of aspirin, caffeine, and paracetamol, in their ternary mixture with minimum sample pretreatment and without previous separation. Method (A) is a spectrophotometric one that depends on determination of aspirin and paracetamol using the successive derivative of the ratio spectra and measuring the amplitudes at 241.2 and 228.2 nm, respectively. Caffeine is indirectly determined using a calculated equation by measuring the amplitude of the third ...

Bulletin of Faculty of Pharmacy, Cairo University - 2012, January