Int. J. New Chemistry, Vol. 1, No. 1, Spring 2014, 41-50



ISSN: 2383-188X

International Journal of New Chemistry

Determination of Amitriptyline using Bromate-Bromide and two Dyes

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Received: 1 March 2014; Accepted: 27 April 2014

Abstract:

Spectrophotometric studies were successfully used in quantitative analysis of Amitriptyline Hydrochloride (ATH) Two new methods using spectrophotometry are described for the determination of (ATH) with potassium bromate as the oxidizing agent and acid dyes, Methyl orange and Indigo carmine. Both spectrophotometric methods are based on the oxidation of mentioned drugs by a known excess of bromate in acid medium and in the presence of excess of bromide followed by estimation of surplus oxidant by reacting with either Indigo carmine (method A) or Methyl orange (method B), and measuring the absorbance at 609 or 507 nm

Keywords: Spectrophotometric, Amitriptyline Hydrochloride, Methyl orange

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