

Article

UV spectroscopic and colorimetric methods for the estimation of metadoxine in tablets

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Abstract

Two simple and sensitive spectroscopic methods in ultraviolet and visible region were developed for the estimation of metadoxine in pharmaceutical dosage forms. Method A is based on metadoxine, showing absorbance at 290 nm in distilled water. The method B is based on the reaction of metadoxine with 1.5% w/v (2 mL) solution of ferric nitrate reagent, to yield a yellow orange colour. This colour has characteristic light absorption in the visible region, with absorption maximum at 445 nm. These methods obeys Beers law in the concentration range of 2 to 28 and 10 to 100 µg/mL, respectively.

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