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Validated Visible Spectrophotometric Methods for Quantification of Rifaximin in Bulk and Pharmaceutical Dosage form

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Abstract : Two simple, sensitive and precise colorimetric methods A and B were developed for the estimation of Rifaximin in bulk drug as well as in pharmaceutical dosage form. Method A is based on the formation of a wine red colored chromogen of Rifaximin with Sodium nitroprusside in the presence of sodium hydroxide which has absorption maximum at 498nm. Method B is based on the formation of a red colored chromogen with Sodium hydroxide which has absorption maximum at 456nm. The proposed methods are statistically validated and found to be useful for the routine determination of Rifaximin in tablets.

Keywords : Rifaximin, Colorimetry, Tablets, Validation.

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