



## Development of New Analytical Method for Estimation of Lansoprazole in Bulk and Tablet dosage forms

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**Abstract :** The present paper reports a simple, accurate and precise spectroscopic technique for estimation of Lansoprazole by first order derivative technique in tablet dosage form. The spectroscopic method for estimation of Lansoprazole by first order derivative technique was carried out using methyl alcohol as solvent. The absorbance maximum was 275nm. Beers law observed in the range of 30 - 150µg/ml concentration. The recovery studies demonstrated the accuracy of the proposed procedure and the results were established as per ICH guidelines. The technique was used successfully for the estimation of Lansoprazole in bulk and tablet and pure dosage form.

**Keywords :** Lansoprazole, spectrophotometric determination, first order derivative method

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