

A new method for the assay of lisinopril using molybdophosphoric acid

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Abstract A new UV-Vis molecular absorbance spectrometric method was developed for the assay of lisinopril using molybdophosphoric acid in hydrochloric acid medium. The reaction product showed a maximum absorbance at 369 nm. The optimum conditions of the reaction were established. The developed method was validated. The method showed a good linearity in the range of 8.0 - 32 µg/mL (correlation coefficient $r = 0.9995$). The detection limit (LD) was 2.33 µg/mL and the quantification limit (LQ) was 7.79 µg/mL. The precision and the accuracy were determined, (RSD = 1.64%); mean recovery was 100.59% in the 98.51-102.39% concentration range.

Keywords: lisinopril, molybdophosphoric acid, spectrometric method, validation.
