



## **SIMULTANEOUS ESTIMATION OF HYDROCHLOROTHIAZIDE AND TELMISARTAN IN PHARMACEUTICAL FORMULATION**

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### **ABSTRACT**

In the present research work, a successful attempt has been made for estimation of Hydrochlorothiazide and Telmisartan in bulk and tablet dosage forms by UV-Spectrophotometry (method A involves formation and solving of simultaneous equations, method B is based on Q absorbance ratio and method C is based on two wavelength calculation) and High Performance Liquid Chromatography (HPLC). Four new methods has been developed by experimentation based on literature survey leads and ascertained by statistical parameter of sampling using a UV-visible spectrophotometry (Shimadzu) and chromatographic system (Perkin Elmer). From the results of analysis of two drugs from tablet formulation using all four developed methods were found to 100% for both Hydrochlorothiazide and Telmisartan, standard deviation was satisfactorily low indicating accuracy and reproducibility of the methods. Recovery studies were satisfactory which shows that there is no interference of excipients. The developed methods were found to be simple, rapid, and accurate can be used for routine estimation of two drugs from tablet formulation.