

ANALYTICAL METHODS FOR VARIOUS DRUGS AND PHARMACEUTICALS: A REVIEW

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ABSTRACT

The development of pharmacotherapy and the use of drugs and pharmaceuticals is an important factor that brought about revolution in the health of human population. In order to achieve proper efficacy, the drug administered should be free from impurities and should be in proper amount. Pharmaceuticals may incorporate impurities at various stages of their development, transportation and storage which make it inefficient to be administered. Thus impurities in drugs must be detected and quantitated. Various chemical and instrumental methods were developed, in order to estimate the drugs. This review highlights the role and importance of analytical methods such as titrimetric, kinetic, electrochemical, electrophoretic, spectroscopic, chromatographic and hyphenated methods in checking the quality of the drugs.

KEYWORDS: Analytical Methods, Chromatography, Electrochemical Methods, Hyphenated Methods, Pharmaceuticals, Spectroscopy, Titrimetry