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DEVELOPMENT OF A METHOD FOR THE ANALYISIS OF VITAMIN E CHEWABLE TABLET

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Abstract

The Vitamin E lable claim reads Each 380mg tablet contains : Vitamin E accetate 120 mg, Avial PH10 50 mg, Rasberry 10mg, starch 200mg.

The study was set to develop an analytical method for quality control of the drug. The method which is used is very slow and inefficient. High performance liquid chromatograph (HPLC) method was highly efficient as compared to Titrimetric method

The main objective in HPLC methods was to prepare standards, with active ingredient, of similar composition as that of the sample. Injection of standard and then sample afterwards gave identical peaks thus enabling calculations of %OSA hence mg/tablet of active in the sample.

The method used validated using standards of 60%, 80%, 100%, 110% and 120%. A linear graph of peak area against concentration was obtained. This shows that the method development was successful.