

VALIDATION OF METHODS OF QUANTITATIVE DEFINITION OF TRIMETAZIDINE DIHYDROCHLORIDE TABLETS OF 0,02 G.

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A new technology of trimetazidine dihydrochloride tablets has been offered at Pyatigorsk State Pharmaceutical Academy and a corresponding plant pharmacopoeia article (PPA) has been elaborated. The purpose of the paper is to estimate the reliability of the analytical methods which have been applied while developing of techniques of quantitative determination of the covered trimetazidine dihydrochloride tablets. While considering the techniques elaborated their validation has been carried out according to the following parameters: specificity, accuracy, reproducibility, linear dependence, analytical field of the method and fitness of the system. High-performance Liquid Chromatography and UV spectrophotometry were used to carry out the quantitative analysis. The methods of the trimetazidine dihydrochloride quantitative determination offered by PPA project have proved to be exact, accurate, specific and linear dependence in the analytical field was observed in both methods. The High-performance Liquid Chromatography method was sure to be superior the UV spectrophotometry one in reproducibility.