

ABSTRACT

The present study was focused on the evaluation of quality and standardization of moxifloxacin highly prescribed as broad spectrum antibiotic. Ten brands of Moxifloxacin (Meflox, Molox, Mionex, Moxidant, Mobik, Moxiget, Staxin, Moxibact, Mofest and Engmox) were collected from the local market for the studies. Different physical and chemical tests were performed for the purpose. UV-Vis spectrophotometric was used for quantitative analysis and the results showed that the hardness of all the brands lie within the limits (4-10kg) except Mofest (14.12 kg). The disintegration of all the brands lie within the official limit (not more than 30 min) except Mofest (31- 31 mins). While the results of quantitative assay by UV showed that assay results of all brands lie within the official limit (90-110%) except Mionex i.e. 118%

The UV method was verified by performing linearity, precision and accuracy and stability of method and this method can be used for standardization of moxifloxacin.