## ABSTRACT

The aim of this bachelor thesis was validation of HPLC method for determination of purity of sofosbuvir and its transfer to UPLC system.

The parameters included in the validation plan were: the system suitability test, robustness, accuracy, linearity, recovery, limit of detection, and limit of quantification. Robustness was tested by the design of experiments approach.

Method was transferred from the HPLC system to the UPLC system. The transfer was performed by randomization test, which was evaluated by statistical methods, namely by pairwise T-test and correlation analysis.