

# **ABSTRACT**

## **HPLC evaluation of selected drugs I.**

### **THESIS**

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In this thesis were developed the optimum chromatographic conditions for simultaneous HPLC analysis of tramadol and paracetamol in combined tablet. The chromatographic column Discovery HS F5, 5  $\mu\text{m}$ , 150 $\times$ 3 mm I.D. made by Supelco was chosen as the stationary phase. Mobile phase mixture formed acetonitrile : ammonium acetate solution 0.005 mol/l, acidified with acetic acid at pH 3.2 in the ratio 20:80 (v/v), at a flow rate of 1.0 ml/min. Acetylsalicylic acid was used as an internal standard. Detection took place at  $\lambda = 270$  nm using a UV detector. The compounds were eluted in order of paracetamol, acetylsalicylic acid and tramadol.