

## **Abstract**

In the theoretical part of the diploma theses, the methods of the measurement of the angle of repose were reviewed as well as the information about the relationship between the angle of repose and flow rate in pharmaceutical technology. In the experimental section, the relationship between flow rate and the drained angle of repose of the residual powder in a hopper was studied. For size fractions of sorbitol in range of 315 - 800  $\mu\text{m}$ , the measurement had good reproducibility and the drained angle could be used to estimate powder flow rate in contrast to the same size fractions of potassium citrate showing the incidence of flow failures.