

CHARLES UNIVERSITY IN PRAGUE
FACULTY OF PHARMACY IN HRADEC KRALOVE
Department of Biological and Medical Sciences
Pharmacy

Mentor evaluation of diploma thesis

Student: **Kousoulidou Viktoria**

Mentor of the thesis: doc. PharmDr. Zdeňka Šklubalová, Ph.D.

Reviewer of the thesis: Mgr. Pavel Ondrejček

Year of the defence: 2015

Title of the thesis:

Determination of the compressibility of excipients used for formulation of tablets with theophylline

The topic of the thesis was chosen by student

Work with literature excellent.

Language skills excellent.

Student invention excellent.

Student worked independently with mentor help.

Problems and issues were solved independently with mentor help.

Work in the lab was excellent.

Results interpretation correct with small corrections.

Processing of thesis was correct with mentor corrections.

Graphical processing for the thesis very good.

Mentor comments to thesis and student approach:

The main aim of the study was to study properties of some excipients used in tablet formulation. The compressed powders were evaluated by means of the parameters of the compaction equation and the force-displacement method. The work brings a lot of new information about behaviour of tablet excipients. The use of mathematical evaluation of the energy profile of compression is useful in practical assessment of compression process.

Evaluation of diploma thesis: excellent, to defense: recommended

In Hradec Kralove 17th May 2015

.....
Mentor signature