

**Mentor evaluation of diploma thesis**

Student: **Andrea Suther Bunes**

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

Consultant: Mgr. Jana Brokešová

Year of the defence: 2021

Title of the thesis:

**Study of the influence of hydrophilic carriers on the dissolution rate of a BCS II drug**

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The topic of the thesis was chosen by student

Work with literature very good.

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 excellent.

Mentor comments to thesis and student approach:

The thesis deals to study the effect of mixing and co-milling with hydrophilic carriers on the dissolution rate of poorly soluble drug meloxicam. Andrea successfully learned all necessary experimental methods as well as mathematical processing of the result data, discussed the obtained results and made relevant conclusions. In the theoretical part, Andrea was successful in finding appropriate literature sources in topic area and wrote the manuscript of thesis. The results are beneficial in important field of dissolution improvement by using technological procedures and are planned for conference presentation in Gdansk (Poland). Project was supported by GAUK No. 268120/2020.

**Evaluation of diploma thesis: excellent, to defense: recommended**

In Hradec Kralove 15.5.2021

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Mentor signature