

**CHARLES UNIVERSITY
FACULTY OF PHARMACY IN HRADEC KRALOVE**

Department Pharmaceutical Technology

Study program: Pharmacy

Opinion of the Thesis Tutor/Consultant about the Diploma Thesis

Year of assignment: 2022

Year of the defense: 2024

Student: **Mehrdad Mirzaei**

Thesis Tutor: Doc. PharmDr. Zdenka Šklubalová, Ph.D.

Consultant: Dr. Pawel Stasiak, Ph.D.

Opponent: PharmDr. Petra Svačinová, Ph.D.

Thesis title: **Study of coating mixture composition on quality of tablet coat
Studium vlivu složení obalovací směsi na kvalitu obalu tablet**

Scope of work, number of: 48 pages, 13 figures, 5 tables, citations

Evaluation of experimental work:

- | | |
|---------------------------------------------------------------|-----------|
| a) Evaluation of methodological procedures: | Excellent |
| b) Skill in the laboratory or in obtaining experimental data: | Excellent |
| c) Independence: | Very good |
| d) Initiative: | Excellent |
| e) Diligence and conscientiousness: | Excellent |

Evaluating the processing of results and writing up the thesis:

- | | |
|---------------------------------------------------------------|-----------|
| a) Processing of results (diligence and independence): | Very good |
| b) Interpretation and discussion of results: | Very good |
| c) Literary research: | Excellent |
| d) Text processing (stylistic level): | Excellent |
| e) Formal level of the work (text structure, graphic design): | Excellent |

I recommend the thesis for recognition as a rigorous thesis

Verbal evaluation, distinctive features of the author, and the thesis:

Mehrdad successfully learned all necessary methodology in the laboratory work showing skills. The experimental work was carried out in Zentiva as a part of the larger investigation focused on the replacement of titanium dioxide coating with the other efficient coating excipients. In his work he studied two new coating mixtures, consisting of lactose or calcium carbonate, respectively. With a help of the consultant in Zentiva as well as the mentor at Faculty, he successfully coated the model cores and processed the experimental data, presented and discussed the resulting data and wrote a valuable thesis. The results bring the important knowledge and have a practical impact on the routine manufacturing.

Evaluation of the thesis: Excellent

**For the Recommend
defense:**

In Hradec Králové

5. srpna 2024

signature of the opponent