



CHARLES UNIVERSITY
Faculty of Pharmacy
in Hradec Králové

**Report on part of state final examination
Defence of master's thesis**

Academic year: 2023/2024

Student's name and surname: Mehrdad Mirzaei
Student's ID: 40581499

Type of the study programme: Master's
Study programme: Pharmacy
Branch of study: Pharmacy
Study ID: 599106

Title of the thesis: Study of coating mixture composition on quality of tablet coat
Thesis department: Department of Pharmaceutical Technology (16-16210)
Language of the thesis: English
Language of defence: English
Advisor: doc. PharmDr. Zdeňka Šklubalová, Ph.D.
Reviewer(s): PharmDr. Petra Svačinová, Ph.D.
Date of defence: 10.09.2024 **Venue of defence:** Hradec Králové
Attempt: regular

Course of the examination: Student introduced his thesis and results obtained in the experimental work in the presentation.
Then, the mentor doc.PharmDr. Zdeňka Šklubalová, Ph.D. and the reviewer PharmDr. Petra Svačinová, Ph.D. informed the committee about their reviews.
The student explained mistakes, some of them introduced and uploaded as Errata document, and answered the comments and questions of the reviewer.
In the general discussion, the student answered the questions of other present members of committee:
- How did you calculate the thickness of the coat layer?
- Are lactose monohydrate and calcium carbonate substances used typically in coating dispersions? Otherwise, is there any relevant literature how to use?
How can calcium carbonate influence the pH value if it is insoluble?
Please explain.
Where the differences in coat properties between both substances statistically significant?

Finally, the committee confirmed that the student successfully answered all question and agreed that the student defended her Thesis with the final evaluation excellent.

Result of defence: excellent (1)

Chair of the board: Šklubalová Zdeňka, doc. PharmDr., Ph.D.

Committee members: Svačinová Petra, PharmDr., Ph.D.

Paraskevopoulos Georgios, Dr., Ph.D.