



CHARLES UNIVERSITY  
Faculty of Pharmacy  
in Hradec Králové

# Report on defence of dissertation under dual supervision jointly organized by Charles University and Vrije Universiteit Brussel

Academic year: 2023/2024

**Student's name and surname:** Mgr. Petra Riasová  
**Student's ID:** 64633025

**Type of the study programme:** doctoral  
**Study programme:** Pharmaceutical Analysis  
**Study ID:** 525824

**Title of the thesis:** Contributions to method development in capillary electrophoresis and supercritical fluid chromatography for the analysis of pharmaceutical compounds

**Thesis department:** Department of Analytical Chemistry (16-16140)

**Language of the thesis:** English

**Language of defence:** English

**Supervisor:** doc. RNDr. Miroslav Polášek, CSc.

**Reviewer(s):** prof. Gerhard Scriba, Ph.D.

RNDr. Václav Kašička, CSc.

**Date of defence:** 18.09.2024    **Venue of defence:** Hradec Králové

**Attempt:** regular

**Course of the examination:** Public defence of the dissertation of Mgr. Riasova followed up on the private defence that had already taken place on 13/06/2024. Doc. Sklenářová welcomed everyone present, including foreign guests and both reviewers. She also briefly presented Mgr. Riasova and described her PhD study, which was carried out within the framework of a cotutelle contract with the Vrije Universiteit, Brussels, Belgium. On behalf of the supervisors from both workplaces, doc. Polasek read the supervisors' report. The student then presented the results of her experimental work. After that, the first reviewer prof. Scriba from Jena University read his report and the student answered his questions. The second reviewer Dr. Kašička from AVČR also read his report and the student again answered his questions. This was followed by a public discussion in which the members of the PhD committee and guests asked their questions. doc. Chocholouš - how did the choice of original conditions affect the model testing of SFC separation?  
Dr. Plachká - has gradient elution also been tested for SFC separation?  
prof. Eeltink - what was the relationship between flow rate and back pressure when optimizing separation conditions in SFC?  
Dr. Pilařová - have mixtures of organic modifiers been tested for silymarin separation using SFC?  
prof. Van Eeckhaut - will it be possible to use CE separation to determine other indomethacin impurities?  
After public discussion the members of PhD committee briefly

summarize their positive opinion concerning the dissertation thesis and its defence.

<b>Result of defence:</b>	pass (P)	
<b>Chair of the board:</b>	Sklenářová Hana, doc. PharmDr., Ph.D.	.....
<b>Committee members:</b>	Kučera Radim, doc. PharmDr., Ph.D.	.....
	Polášek Miroslav, doc. RNDr., CSc.	.....
	Vander Heyden Yvan, prof.	.....
	Eeltink Sebastiaan, prof. Dr.	.....
	Kašička Václav, RNDr., CSc.	.....
	Mangelings Debby, prof.	.....
	Scriba Gerhard, prof., Ph.D.	.....
	Van Eeckhaut Ann, prof. Dr.	.....