

Assessment proposed by the supervisor:

## Course of the defence:

- 1/ Introduction to the MSc-thesis
- 2/ Methodology of sample preparation (arachidonic acid derivatization)
- 3/ Lipid preparation from blood plasma
- 4/ Derivatization for GC analysis, undikler
- 5/ HPLC analysis; C18 stationary phase, undikler  
fractionation
- 6/ Results:

6.1. Derivatization, lactone formation  
 water free environment  
 → successfully derivatized

Author of the thesis described carefully and in detail experimental approach, discussed main steps of the whole procedure:

16 - Octadecanoic acid - a reference compound

GC Analysis & HPLC analysis

MS: ESI

7/ Discussion: Author of thesis proved his skill in laboratory techniques and evaluation of results.  
 Questions of committee members: matrix effect vapour phase of solvent under N<sub>2</sub>; derivatization → different mass of the molecule, perspective of practical use

Score: .....

Assessment: VERY GOODDate of defence: 25/5/2021

Prof. N. MÜLLER

committee chairman

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