



## Requirements for colloquim of pharmaceutical chemistry and pharmaceutical analysis

The students must attend a colloquim with a carefully written notebook or folder. All medicinal substances from the list, presented in this document, should be included as separate articles. All pages need to be numbered.

### I. The title page of the notebook must include the following information:

MEDICAL UNIVERSITY OF PLOVDIV

FACULTY OF PHARMACY

Department of Pharmacognosy and Pharmaceutical chemistry

Colloquim of Pharmaceutical chemistry and Pharmaceutical analysis

Student name:..... Faculty number.....Date:.....

### II. Contents, page numbers.

### III. Describe:

1. Thin-layer chromatography.
2. High-performance liquid chromatography.
3. Gas chromatography.
4. Infrared spectroscopy.
5. Ultraviolet and visible spectrophotometry.
6. Validation of analytical procedures.

### IV. Drug substances list.

- |                          |                      |                     |
|--------------------------|----------------------|---------------------|
| 1. Lidocaine.            | 9. Metamizole.       | 17. Dimenhydrinate. |
| 2. Phenobarbital.        | 10. Ibuprofen.       | 18. Loratadine.     |
| 3. Diazepam.             | 11. Diclofenac.      | 19. Atropine.       |
| 4. Zopiclone.            | 12. Celecoxib.       | 20. Galantamine.    |
| 5. Fluphenazine.         | 13. Caffeine.        | 21. Ethylephrine.   |
| 6. Chlorpromazine.       | 14. Pentoxiphylline. | 22. Omeprazole.     |
| 7. Acetylsalicylic acid. | 15. Piracetam.       | 23. Famotidine.     |
| 8. Paracetamol.          | 16. Acyclovir.       | 24. Propranolol.    |

25. Atenolol.  
26. Amlodipine.  
27. Enalapril.  
28. Furosemide.  
29. Simvastatin.  
38. Etinylestradiol.

30. Fenofibrate.  
31. Ofloxacin.  
32. Miconazole.  
33. Sulfamethoxazole.  
34. Amoxicillin.

35. Dexamethazone.  
36. Nandrolone.  
37. Progesterone.

**V. Each article must start on a new page and include the following chapters:**

- Generic name.
- Chemical structure.
- Chemical name.
- Physical properties
- Pharmacological group.
- Metabolism.
- Pharmaceutical analys (EU Ph).

The program was approved by the Department council with Protocol № 01/09.01.2023.

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Plovdiv

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