


# AMENDMENTS AND CHANGES TO THE CURRICULUM IN THE EDUCATIONAL DISCIPLINE


«Standardization of Drugs»  
for the specialty 1-79 01 08 Pharmacy

2023/2024 academic year

Amendments and changes	Basis/Reason
1. No changes were made to the thematic plan and the educational-methodical map	Educational Plan for 2023/2024 academic year
2. No changes were made to the educational and methodological map and the list of lectures and practical exercises	Schedule of training sessions of 2023/2024 academic year
3. The list of practical skills has been updated according to Appendix No. 1	Department meeting of 08.06.2023, protocol <u>No. 11</u> .

The curriculum is revised and approved at the department meeting  
Pharmaceutical Chemistry (protocol No. 11. 08.06.2023)

Head of the Pharmaceutical  
Chemistry department  
Ph.D., associate professor  R.I. Lukashou

APPROVED  
Dean of the Medical Faculty  
of International Students,  
Ph.D., associate professor  O.S. Ishutin

**The list of practical skills in the academic discipline "Standardization of medicines" for the 2023-2024 academic year**

1. Carry out quality control of a 2% boric acid solution by the titrimetric method. Submit control results. Make a conclusion about whether the dosage form is satisfactorily prepared.

2. Carry out quality control of magnesium sulfate solution 5% by refractometric method. Submit control results. Make a conclusion about whether the dosage form is satisfactorily prepared.

3. Conduct quality control of purified water. Submit control results. Make a conclusion about the quality of the obtained sample.

4. Conduct quality control of water for injection. Submit control results. Make a conclusion about the quality of the obtained sample.

5. Carry out quality control of glucose solution 5% by refractometric method. Submit control results. Make a conclusion about whether the dosage form is satisfactorily prepared.

6. Carry out quality control of glucose solution 5% by titrimetric method. Submit control results. Make a conclusion about whether the dosage form is satisfactorily prepared.

7. Carry out quality control of magnesium sulfate solution 1% by titrimetric method. Submit control results. Make a conclusion about whether the dosage form is satisfactorily prepared.

8. Carry out quality control of calcium chloride solution 2% by titrimetric method. Submit control results. Make a conclusion about whether the dosage form is satisfactorily prepared.

9. Establish the compliance of the tested medicinal plant material in terms of "External signs" with a private article and determine the content of impurities in it. Make a conclusion about the quality of the tested medicinal herbal raw materials according to the quality indicators being checked. Prepare a test report.

10. Carry out a quantitative determination of Ibuprofen capsules using spectrophotometric methods of analysis. Make a conclusion about the quality of the tested medicinal product in terms of the quantitative content of active substances.

11. Carry out quality control of sodium sulfacyl solution 15% by titrimetric method. Submit control results. Make a conclusion about whether the dosage form is satisfactorily prepared.

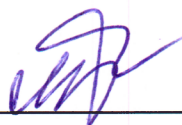
12. Carry out quality control of sodium sulfacyl solution 15% by refractometric method. Submit control results. Make a conclusion about whether the dosage form is satisfactorily prepared.

13. Carry out quality control of sodium sulfacyl solution 15% in terms of authenticity. Submit control results. Make a conclusion about whether the dosage form is satisfactorily prepared.

14. Carry out quality control of ascorbic acid powder by titrimetric method. Submit control results. Make a conclusion about whether the dosage form is satisfactorily prepared.

15. Carry out quality control of dimedrol 1% solution in terms of authenticity. Submit control results. Make a conclusion about whether the dosage form is satisfactorily prepared.

Head of the Pharmaceutical  
Chemistry department  
Ph.D., associate professor



R.I. Lukashou