

**Criteria for assessing the results of educational activities of students at the
Department of Pharmaceutical Chemistry with advanced training and retraining
course IN THE DISCIPLINE "ANALYTICAL CHEMISTRY" specialty
7-07-0912- 01 "Pharmacy"**

10 points (ten):

systematized, deep and complete knowledge of all sections of the curriculum of the academic discipline "Analytical Chemistry", as well as on basic issues that go beyond its scope; accurate use of scientific terminology (including in a foreign language) recommended by the program of the academic discipline "Analytical Chemistry" competent, logically correct presentation of answers to questions, the ability to make reasonable conclusions and generalizations;; impeccable mastery of analytical chemistry tools, the ability to use them effectively in formulating and solving scientific and professional problems; expressed ability to independently and creatively solve complex problems in non-standard situations; complete and in-depth assimilation of basic and additional literature on the academic discipline "Analytical Chemistry", as well as literature on qualitative and quantitative analysis that goes beyond the scope of this program; the ability to freely navigate the theories, concepts and areas of analytical chemistry, give them a critical assessment, and use the scientific achievements of other disciplines; creative independent work in laboratory classes, active creative participation in group discussions, high level of culture in completing tasks.

9 (nine) points,

credit: systematized, deep and complete knowledge in all sections of the academic discipline "Analytical Chemistry"; accurate use of scientific terminology (including in a foreign language), competent, logically correct presentation of the answer to questions in the academic discipline "Analytical Chemistry"; mastery of analytical chemistry, the ability to use it effectively in formulating and solving scientific and professional problems; the ability to independently and creatively solve complex problems in a non-standard situation within the framework of the curriculum of the academic discipline "Analytical Chemistry"; complete assimilation of basic and additional literature recommended by the curriculum of the academic discipline "Analytical Chemistry"; the ability to navigate theories, concepts and trends in the discipline studied by the curriculum "Analytical Chemistry"; systematic, active independent work in laboratory classes, creative participation in group discussions, a high level of culture in completing tasks.

8 (eight) points,

credit: systematized, deep and complete knowledge of all sections of the curriculum of the academic discipline "Analytical Chemistry"; use of scientific terminology (including in a foreign language) of the academic discipline "Analytical Chemistry", competent, logically correct presentation of answers to questions, the ability to make reasonable conclusions and generalizations; possession of analytical chemistry tools, the ability to use them in formulating and solving scientific and

professional problems; the ability to independently solve complex problems within the framework of the curriculum of the academic discipline “Analytical Chemistry”; mastering basic and additional literature recommended by the curriculum of the academic discipline “Analytical Chemistry”; the ability to navigate theories, concepts and areas of analytical chemistry and give them a critical assessment; active independent work in laboratory classes, systematic participation in group discussions, high level of culture in completing tasks.

7 (seven) points,

credit: systematized, deep and complete knowledge of all sections of the curriculum of the academic discipline “Analytical Chemistry”; the use of scientific terminology (including in a foreign language) within the framework of the curriculum of the academic discipline “Analytical Chemistry”, competent, logically correct presentation of answers to questions, the ability to make reasonable conclusions and generalizations; possession of analytical chemistry tools, the ability to use them in formulating and solving scientific and professional problems; fluency in standard solving within the framework of the curriculum of the academic discipline “Analytical Chemistry”; mastering basic and additional literature recommended by the curriculum of the academic discipline “Analytical Chemistry”; ability to navigate the basic theories, concepts, areas of analytical chemistry and give their critical assessment; independent work in laboratory classes, participation in group discussions, a high level of culture in completing assignments.

6 (six) points,

credit: sufficiently complete and systematized knowledge within the scope of the curriculum of the academic discipline “Analytical Chemistry”; use of the necessary scientific terminology in the academic discipline “Analytical Chemistry”, competent, logically correct presentation of answers to questions, the ability to make generalizations and reasonable conclusions; possession of analytical chemistry tools, the ability to use them in solving educational and professional problems; the ability to independently apply standard solutions within the framework of the curriculum of the academic discipline “Analytical Chemistry”; mastering the basic literature recommended by the curriculum of the academic discipline “Analytical Chemistry”; ability to navigate basic theories, concepts and trends in the academic discipline “Analytical Chemistry” and give them a comparative assessment; active independent work in laboratory classes, periodic participation in group discussions, high level of culture in completing assignments

5 (five) points,

credit: sufficient knowledge within the framework of the curriculum of the academic discipline “Analytical Chemistry”; use of scientific terminology of the academic discipline “Analytical Chemistry”, competent, logically correct presentation of answers to questions, the ability to draw conclusions; possession of analytical chemistry tools and the ability to use them in solving educational and professional problems; the ability to independently apply standard solving within the framework of the academic discipline “Analytical Chemistry”; assimilation of basic literature, the preferred curriculum for the academic discipline “Analytical Chemistry”; the ability

to navigate the basic theories, concepts and areas of analytical chemistry and give them a comparative assessment; independent work in laboratories, fragmented participation in group discussions, a sufficient level of culture in completing assignments

a sufficient amount of knowledge in laboratory classes in the academic discipline “Analytical Chemistry”; mastering the basic literature recommended by the curriculum of the academic discipline “Analytical Chemistry”; use of scientific terminology of the academic discipline “Analytical Chemistry”, logical presentation of answers to questions, ability to draw conclusions without significant errors; mastery of the tools of the academic discipline “Analytical Chemistry”; the ability, under the guidance of a teacher, to solve standard (typical) problems in the academic discipline “Analytical Chemistry”; the ability to navigate the basic theories, concepts and areas of analytical chemistry and evaluate them; work under the guidance of a teacher in laboratory classes, acceptable level of culture in completing tasks

3 (three) points,

no credit: insufficiently complete amount of knowledge within the scope of the curriculum of the academic discipline “Analytical Chemistry”; knowledge of some of the basic literature recommended by the curriculum of the academic discipline “Analytical Chemistry”; use of scientific terminology, presentation of answers to questions in the academic discipline “Analytical Chemistry” with significant, logical errors; poor knowledge of analytical chemistry tools, incompetence in solving standard (typical) problems; inability to navigate the basic theories, concepts and directions of the academic discipline “Analytical Chemistry”; passivity in laboratory classes, low level of culture in completing tasks

2 (two) points,

no credit: fragmentary knowledge within the scope of the curriculum of the academic discipline “Analytical Chemistry”; knowledge of individual literary sources recommended by the curriculum of the academic discipline “Analytical Chemistry”; inability to use the scientific terminology of the academic discipline “Analytical Chemistry”; passivity in laboratory classes, low level of culture in completing tasks.

1 (one) point,

no credit: lack of knowledge and competencies within the scope of the curriculum of the academic discipline “Analytical Chemistry”, refusal to answer, failure to appear for certification without a good reason.

Обсуждено и утверждено на заседании кафедры № 1 от 29.08.2025 г.
Заведующий кафедрой фармацевтической химии Р.И.Лукашов

**Зав. кафедрой фармацевтической химии,
С курсом повышения квалификации и переподготовки
к.фарм.н., доцент**



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