

To the Accreditation Council of the
Eurasian Centre for Accreditation and
Quality Assurance
in Higher Education and Health Care
15.06.2023

**REPORT
OF THE EXTERNAL EXPERT COMMISSION
BASED ON THE RESULTS OF THE EVALUATION OF THE EDUCATIONAL
PROGRAM
PHD DOCTORAL STUDIES 8D10140 "PHARMACY"
KARAGANDA MEDICAL UNIVERSITY NJSC
FOR COMPLIANCE WITH THE STANDARDS OF ACCREDITATION OF
EDUCATIONAL PROGRAMS OF PHD DOCTORAL STUDIES
IN HEALTHCARE**

External expert evaluation period: May 22-26, 2023

Karaganda city, 2023
TABLE OF CONTENTS

	List of designations and abbreviations	2
1.	Composition of the external expert commission	3
2.	General part of the final report	6
2.1	Presentation of the educational program in the specialty PhD doctoral studies 8D10140 "Pharmacy"	6
2.2	Information about previous accreditation	8
2.3	Conclusion based on the results of reviewing the report on the self-assessment of the PhD doctoral studies 8D10140 "Pharmacy" for compliance with the Standards of accreditation of PhD doctoral programs in healthcare and conclusions	8
3.	Description of the external expert assessment and conclusion	9
4.	Analysis of compliance with accreditation standards based on the results of an external assessment of the PhD doctoral studies 8D10140 "Pharmacy"	11
5.	Recommendations for improving the educational program of the PhD doctoral studies 8D10140 "Pharmacy"	29
6.	Recommendation to the Accreditation Council	30
	Appendix 1. Quality profile and criteria of external evaluation and educational program of PhD doctorate 8D10140 "Pharmacy"	31
	Appendix 2. List of documents studied as part of an external expert assessment	32

LIST OF DESIGNATIONS AND ABBREVIATIONS

Abbreviation	Designation
AIDS	Automated Information Data System
AMP	Administrative and managerial personnel
HEI	higher educational institution
EEC	external expert committee
SCES	State Compulsory Education Standard
DLT	distant learning technology
M.D.	Doctor of Medicine
ECAQA	Eurasian Centre for Accreditation and Quality Assurance in Higher Education and Health Care
IT	information technology
SME	State Municipal Enterprise
Ph.D.	Doctorate Degree in Medicine
MH RK	Ministry of Health of the Republic of Kazakhstan
MES RK	Ministry of Education and Science of the Republic of Kazakhstan
MTB	material and technical base
NJSC	Non-profit joint-stock company
NAS RK	National Academy of Sciences of the Republic of Kazakhstan
KMU NJSC	Karaganda Medical University Non-profit Joint-Stock Company
RW	Research work
DSRW	Doctoral Student Research Work
DSERW	Doctoral student's experimental and research work
L&R	laws and regulations
STP	science and technology programs
EP	educational program
HETP	Higher-Education Teaching Personnel
RK	Republic of Kazakhstan
MM	mass media
PhD	Doctor of Philosophy

1. Composition of the external expert commission

In accordance with ECAQA Order No. 15 dated May 5, 2023, an External Expert Commission (hereinafter referred to as the EEC) was formed to conduct an external assessment of the PhD doctoral studies 8D10140 "Pharmacy" in the period of May 24-26, 2023 in the following composition:

No.	Status as a member of the EEC	Full name	Academic degree, academic title, position, place of work/place of study, course, specialty
1	Chairman	Kudabaeva Khatimya Ilyasovna	Candidate of Medical Sciences, Professor of the Department of Internal Diseases No. 1 of the West Kazakhstan Medical University named after Marat Ospanov NJSC
2	Foreign expert	Ryzhkin Sergey Alexandrovich	MD, Head of the Department of Radiotherapy and Radiology named after Academician A.S. Pavlov, Head of the Department of Additional Professional Education of the Russian Medical Academy of Continuous Professional Development (Moscow), Scientific Secretary of the Department of Medical and Biological Sciences of the Academy of Sciences of the Republic of Tatarstan, accredited expert of the Federal Service for Supervision of Education and Science (Rosobrnadzor).
3	Foreign expert	Afrikyan Shushanik Georgievna	PhD in Pharmacy/Candidate of Pharmaceutical Sciences, Associate Professor of the Department of Pharmacy, Head of the Department of Organization of Computer Examinations of Yerevan State Medical University named after M. Heratsi, Republic of Armenia
4	Academic expert	Urazova Saltanat Nurgozhayevna	MD, Head of the Department of Family Medicine No. 3 of the Astana Medical University NJSC
5	Academic expert	Shabdarbayeva Daria Muratovna	MD, Professor, pathologist of the highest category, medical examiner of the highest category, head of the department of the pathological anatomy and forensic medicine named after Professor Y.V. Pruglo of the Semey Medical University NJSC
6	Academic expert	Ramazanova Raigul Mukhanbetovna	MD, Professor of the Department of internal diseases in Kazakh National Medical University named after S.D. Asfendiyarov NJSC
7	Academic expert	Zhumalina Akmaral Kanashevna	MD, Professor, Head of the Department of Pediatric Diseases with Neonatology of the West Kazakhstan Medical University named after Marat Ospanov NJSC
8	Academic expert	Tuleutaeva Raykhan	MD, Ph.D., Head of the Department of

		Yesenzhanovna	Pharmacology named after MD, Prof. M.N.Musina in Semey Medical University NJSC
9	Academic expert	Baigozhina Zaure Alpanovna	PhD, Dean of the School of Nursing in Astana Medical University NJSC, Member of the Association for Medical Education in Europe (Association for Medical Education in Europe/ AMEE)
10	Academic expert	Ramazanovna Sholpan Khamzaevna	MD, PhD, Acting Associate Professor of the department of clinical disciplines of Al-Farabi Kazakh National University
11	Academic expert	Yeralieva Bibikhan Abdalievna	Candidate of Medical Sciences, assistant of the Department clinical pharmacology Kazakh National Medical University named after S.D. Asfendiyarov NJSC
12	Academic expert	Isposunova Gulnara Akhmetkazyevna	urologist of the highest qualification category, assistant of the Department of Urology Kazakh National Medical University named after S.D. Asfendiyarov NJSC
13	Academic expert	Doshakanova Asel Baidautovna	PhD, Head of the Department of Postgraduate Education Kazakh Order "Badge of Honor" Scientific Research Institute of Eye Diseases LLP
14	Academic expert	Dosanova Asem Kalelovna	PhD, Associate Professor of the Department of Pediatric Surgery of the Astana Medical University NJSC
15	Representative of employers	Daniyarova Bayan Lashinovna	Deputy Director for Strategic Development Regional Clinical Hospital SME of the Health Department of the Karaganda region;
16	Representative of doctoral students	Orazbay Aknur Daurenkyzy	first-year doctoral student in specialty "Biology" in Karaganda University named after E.A. Buketov NJSC
17	Representative of doctoral students	Kurak Aidan	resident of the first year of study in the specialty "Endocrinology adult, children" in Astana Medical University NJSC

The observer from ECAQA is Umarova Makpal Aldibekovna, Head of the Accreditation and Monitoring Department.

The work of the EEC was carried out in accordance with the Regulation on the EEC (Order of the General Director of the ECAQA No. 4 dated February 13, 2017).

The EEC report contains an assessment of the educational program of the PhD doctoral studies in the specialty 8D10140 "Pharmacy" for compliance with the Standards of accreditation of educational programs of PhD doctoral specialties in healthcare and conclusions (hereinafter referred to as Accreditation Standards), recommendations of the EEC on further improvement of approaches and conditions for the implementation of the above-mentioned educational program and recommendations for the ECAQA Accreditation Council.

2. General part of the final report

2.1 Presentation of the educational program of the PhD doctoral studies in the specialty 8D10140 "Pharmacy"

Name of the organization, legal form of ownership, BIN	«Қарағанды медицина университеті» коммерциялық емес акционерлік қоғамы Некоммерческое акционерное общество «Медицинский университет Караганды» Karaganda Medical University Non-profit Joint-Stock Company
Management body	Ministry of Health of the Republic of Kazakhstan
Full name of the first head	Turmukhambetova Anar Akylbekovna
Location and contact details	Republic of Kazakhstan, Karaganda region, Karaganda, Gogol str., 40, 100008
State license for educational activities in PhD doctoral studies (date, number)	No. KZ32LAA00016018 dated May 6, 2019.
The year of the start of the accredited educational program (EP)	2013
Duration of training	3
The total number of graduates since the beginning of the implementation of the EP	7
The number of doctoral students on the EP since the beginning of this year	1
Full-time teachers/ Part-timers involved in the implementation of the EP, including % of the settlement	4/0, 100%
Link to the university's website, where information about the educational program is posted	https://www.qmu.edu.kz/ru/contents/view/1277

KMU NPJSC is one of the leading universities in the country that carry out postgraduate training of specialists in the field of pharmacy through master's and doctoral studies, which are conducted on the basis of a state license.

Having received the right to conduct educational activities under PhD doctoral programs, in 2012 KMU NPJSC produced the first set of doctoral students for the educational program 8D10140 "Pharmacy" (at that time 6D110400 "Pharmacy", scientific and scientific-pedagogical direction). In the 2013-2014 academic year, 2 doctoral students studied. In 2015-2016, 2 people were admitted. In the 2018-2019 academic year, 2 more were enrolled. In the 2020-2021 academic year – 1 doctoral student.

The implementation of the 8D10140 "Pharmacy" program is carried out on the basis of a license to engage in educational activities. The educational program 8D10140 "Pharmacy" has been developed in accordance with the principles of fundamental training, combining the educational process and scientific research.

Every year, at the end of the academic year, a doctoral student passes an academic certification for the implementation of an individual work plan. The results of the DSRW at the end of each academic

period are issued by the doctoral student in the form of a brief report. The final result of the DSRW of a doctoral student is a doctoral dissertation.

For 10 years since the beginning of the 8D10140 "Pharmacy" (6D110400 "Pharmacy") program, 7 doctoral students have been enrolled, 6 people have been trained, 2 doctoral dissertations have been successfully defended, with the award of a PhD degree. To date, 3 doctoral dissertations have been submitted to the dissertation council, 1 doctoral student continues his studies. There were no cases of expulsion or registration of academic leave by doctoral students.

The implementation of the EP takes place in an educational environment that meets the regulatory requirements and needs of the doctoral student's personal development, and the needs of modern healthcare. When compiling the 8D10140 "Pharmacy" program, the principles of fundamental training, combining the educational process and scientific research were taken as a basis.

In order for PhD students to acquire the necessary knowledge and competencies, KMU NJSC creates optimal conditions for studying basic and specialized disciplines. During the passage of professional practice and the performance of research work (RW), skills and abilities are formed. The university's departments have good material and technical, scientific and technical, methodological bases, there are all conditions for experimental work during doctoral studies.

All teachers who conduct training sessions under the 8D10140 "Pharmacy" program, scientific supervisors, consultants of doctoral students have an academic degree of doctor or candidate of sciences, extensive experience in the field of education and science, participation in the implementation of research programs and projects. Teachers and doctoral students of the 8D10140 "Pharmacy" program over the past 5 years have participated in the implementation of 2 scientific and technical programs funded from the republican budget (MES RK, MH RK).

Also, all teachers who teach classes in the disciplines of the 8D10140 "Pharmacy" program and/or are scientific consultants of doctoral dissertations have a non-zero Hirsch index (based on Web of Science, Scopus, Google Scholar, RSCI).

Based on the results of the annual ratings of health education organizations conducted by the Ministry of Health of the Republic of Kazakhstan in 2018-2019. KMU NJSC took the second place in terms of the effectiveness of scientific and innovative activities

Doctoral students were unable to participate in academic mobility programs during the reporting period. The University has signed memorandums of cooperation in the field of healthcare, medical education and science with medical universities of Kazakhstan, universities of neighboring countries (Ukraine, Uzbekistan, Tajikistan, Russian Federation, Moldova, Lithuania, Latvia, Kyrgyzstan, Georgia, Armenia, Belarus) and far abroad (Bulgaria, Great Britain, Hungary, Greece, Germany, Spain, Italy, India, Israel, Malaysia, Poland, USA, Taiwan, Thailand, Turkey, Finland, France, Croatia, Czech Republic, Sweden).

PhD doctoral students of 8D10140 "Pharmacy" faculty in KMU NJSC presented the results of dissertation research at international scientific forums and conferences in the countries of the far and near abroad: 18th International Congress on Infectious Diseases. Buenos Aires, Argentina, 2018 (moderated poster presentation), IV (XII) International Botanical Conference of Young Scientists. St. Petersburg, 2018 (oral reports), XXV International scientific and practical conference of young scientists and students "Topical issues of new drugs development", Kharkiv, Ukraine, 2018, etc.

In 2021, PhD student Tulebaev E.A. received the Grand Prix for the best report in English at the International Scientific and Practical Conference of Young Scientists and Students "Topical Issues of New Medicines Development" (NFaU), Kharkiv, Ukraine.

There is a dissoviet in the KMU NJSC, which includes well-known scientists and teachers, including 1 academician of the National Academy of Sciences of the Republic of Kazakhstan, 1 corresponding member. NAS RK, 2 Doctors of Pharmaceutical Sciences, 2 Candidates of Pharmaceutical Sciences.

On the website of the HEI, on the page "Education", there is all the necessary information about the educational programs of the doctoral program, where the doctoral student can get acquainted with

the Academic policy of the HEI, academic mobility programs, the schedule of classes and go to the student portal for information on the disciplines of the EP.

The HEI employs highly qualified, experienced scientific and pedagogical staff and has created conditions for improving the educational and intellectual level of doctoral students. In addition, the university's cooperation with universities of the Republic of Kazakhstan, CIS countries and far abroad indicates the demand for this educational program at the national and international level.

2.2 Information about previous accreditation

The educational program 8D10140 "Pharmacy" (6D110400 "Pharmacy") was first accredited in 2018 by the Independent Association of Accredited Registrars (IAAR), validity period: 14.06.2018 - 13.06.2023.

2.3 Conclusion based on the results of reviewing the self-assessment report of the educational program 8D10140 "Pharmacy" for compliance with the Standards of accreditation of educational programs of the PhD doctoral program in healthcare and conclusions

The report on the self-assessment of the PhD educational program in the specialty 8D10140 "Pharmacy" (hereinafter referred to as the report) is presented on 59 pages of the main text, 3-page appendices, copies or electronic versions of 30 documents located at the link <https://drive.google.com/drive/folders/1pdCvvFlzipqSvbyN9b9UVEg5NIvvJdId?usp=sharing>

The report is characterized by the completeness of responses to all 8 main accreditation standards and criteria, structuring taking into account the recommendations of the Guidelines for conducting a self-assessment of the educational program provided to the educational organization by the accreditation center - ECAQA, as well as internal unity of information. The report is accompanied by a cover letter signed by Rector A.A. Turmukhambetova, which confirms the reliability of quantitative information and information included in the self-assessment report.

The report contains a list of 9 members of the internal self-assessment commission indicating the responsibility of each employee, information about the representative of the organization responsible for conducting the self-assessment of the educational program - M.A. Yernazarova, Chief specialist of the Strategic Development and Quality Management Department.

Self-assessment of the educational program 8D10140 "Pharmacy" was carried out on the basis of the order of the rector of the University No. 274 dated 16.09.2022 "On approval of the composition of the self-assessment committee".

The report was reviewed by the expert on accreditation Tuleutaeva R.E. The review highlights strengths and areas for improvement, as well as recommendations for additions and changes. In the process of feedback from the representative of the educational organization, the expert received answers to the questions that arose and appropriate changes and additions were made to the self-assessment report based on the recommendations of the reviewers.

In all standards, the real practice of the KMU NJSC for the preparation of doctoral students in the specialty "Pharmacy" is given, taking into account the start of admission of students in 2013, reasoned data, examples of the implementation of the objectives of the educational program, national and international events, methodological support, confirming compliance with the requirements of accreditation standards. The description in the self-assessment report is quite complete and updated in terms of the number of doctoral students, teachers, administration, information about selection and admission, training results, results of knowledge and skills assessment, the material and technical base of the university, practice bases, contractual obligations with partners (HEI, associations, bases), financial information, there are plans for development and improvement of the EP.

The report is presented in the ECAQA in a completed form, with the correction of data on the above recommendations, written in a competent language, the formulations for each standard are clear and understandable and described in accordance with the criteria of standards, the tables contain references in the text and have end-to-end numbering.

The quality of the self–assessment report served as the basis for the transition to the next stage of the accreditation procedure - external evaluation. Experts plan to validate the report data, compare the information from the report with the information that will be received during a visit to an educational organization, i.e., verification of quantitative and qualitative indicators.

3. Description of the external expert assessment

External expert work within the framework of the evaluation of the educational program 8D10140 "Pharmacy" was organized in accordance with the Guidelines for the External evaluation of educational organizations and educational programs of the ECAQA and according to the program approved by the General Director of the ECAQA S.S. Sarsenbayeva dated 11.05.2023 and coordinated with the Rector of the KMU NJSC A.A. Turmukhambetova. Dates of the visit to the organization: May 24-26, 2023.

The external evaluation is aimed at validating the data of the self-assessment report and verifying indicators indicating the degree of compliance with the criteria of accreditation standards.

The sequence of the visit within 3 days is presented in detail in the Visit Program (hereinafter referred to as the program), which is located in the documentation of the accreditation center. The program is proof of the implementation of all planned activities within the framework of an external expert assessment.

In order to obtain objective information, the members of the EEC used the following methods and its results:

- interview with management and administrative personnel - 35 people;
- interviews with undergraduates and doctoral students – 10 people.
- exploring the website <https://qmu.edu.kz> <https://sanadmed.kz/>;
- interviewing 15 employees, 9 teachers, 6 mentors;
- survey of teachers and doctoral students – 9 and 10, respectively;
- supervision of the training of doctoral students: due to the schedule of attending practical classes, lectures did not take place;
- review of resources in the context of the implementation of accreditation standards: 3 practice bases were visited, including the "Research Park of Biotechnology and Ecomonitoring of the Karaganda University named after E.A.Buketov", "Faculty of Biology and Geography, Karaganda Pharmaceutical Plant", International Research and Production Holding Phytochemistry JSC, the Center for Simulation and Educational Technologies of the KMU NJSC, where training is conducted in 4 educational programs with the participation of 4 full-time teachers;
- the study of educational and methodological documents in the amount of 37 units, both before the visit to the organization and during the visit to the departments (the list of documents studied attached in **Appendix 2**).

On the part of the staff of the accredited organization, the presence of all persons specified in the visit program and according to the lists of interview sites and interviews is ensured (Table 1).

Table 1 - Information on the number and category of participants in meetings, interviews with members of the EEC

No.	Position	Quantity
1	Chairman of the Management Board - Rector	1
2	Vice-Rector for Academic Work	1
3	Vice-Rector for Scientific and Clinical Work	1
4	Head of Career Development Department	1
5	Deans of schools	6
6	Director of the Institute of Life Sciences	1
7	Heads of educational programs	5
8	Members of the Senate Academic Committee	22
9	Director of the Human Resources Management Department	1

10	Chief Specialist of the Department of Human Resources Management	1
11	Chief Specialist of the Center for Simulation and Educational Technologies	1
12	Director-Chief Accountant of the Department of Economics and Finance	1
13	Deputy Director of the Economics and Finance Department	1
14	Higher-education teaching personnel	9
15	Students (magistrates)	2
16	Students (doctoral students)	8
17	Graduates (magistrates)	9
18	Graduates (doctoral studies)	8
19	Employers of Master's and doctoral studies	6

In the process of visiting the university departments, accreditation experts noted the strengths of the educational organization in relation to the accredited educational program, including: the compliance of resources with the expectations of students, a strong staff - 100% stability of HETP in doctoral studies in pharmacy, a high level of professionalism of HETP, scientific directions of the University that meet modern trends in science, the participation of HETP and doctoral students at the STP, well-stocked library and access of doctoral students to databases, including paid ones, accredited laboratories equipped with modern equipment.

Thus, the university's departments have the material and technical base to provide doctoral studies and scientific and technical, scientific and methodological, clinical, experimental work within the framework of scientific research in the field of pharmacy and industrial pharmaceutical technology that meets the qualification requirements for the activities of educational organizations implementing educational programs of postgraduate education with the award of the degree of Doctor of Philosophy (PhD) and doctors in the profile "Pharmacy".

The university has departments that are directly related to the 8D10140 Pharmacy educational program, which can be noted as the best practice in education: "Institute of Life Sciences", in which all processes take place from planning a dissertation work to its completion; "Institute of Public Health and Occupational Health"; "Ethical Commission on Bioethics" and "Ethical Commission for the evaluation of scientific works of teachers and doctoral students". When meeting with employees, as well as when visiting these departments, experts were given the opportunity to see the workplaces, capabilities and functional responsibilities of employees of all departments.

On the last day of the visit to the organization, a meeting of EEC members was held on the results of an external assessment. The final discussion of the results of the external assessment of the educational program, the study of documents, the results of interviews, interviews, questionnaires was held. The members of the EEC started designing the final report. Generalizations of the results of external assessment are made. Experts have individually filled out the "Quality Profile and criteria for external evaluation of the 8D10140 Pharmacy" educational program to the ECAQA Accreditation Standards". No comments were made by the members of the EEC. Recommendations on improving the educational program were discussed and the Chairman H.I. Kudabayeva held a final open vote on recommendations for the ECAQA Accreditation Council for the accreditation period.

Comfortable conditions were created for the work of the EEC, access to all necessary information and material resources was organized. The Commission notes the high level of corporate culture of the university, the high degree of openness of the team in providing information to the members of the EEC, during the interview and when visiting the practice bases, evidence of the data given in the self-report was obtained, the necessary documents were provided at the request of the commission members, all the requested documentation was placed on Google Drive.

At the end of the visit program, the Chairman of the EEC announced recommendations for the management and employees of the educational organization based on the results of an external evaluation within the framework of specialized accreditation.

3. Analysis of compliance with accreditation standards based on the results of an external evaluation of the 8D10140 "Pharmacy" educational program

Standard 1: RESEARCH ENVIRONMENT

Evidence of compliance:

According to the results of the interview with the Chairman of the Board - Rector - A.A. Turmukhambetova, members of the Board of KMU NJSC - Vice-rector for Academic Work, Vice-rector for Scientific and Clinical Work, Director of the Institute of Life Sciences, in interviews with doctoral students and teachers, compliance with the criteria of **Standard 1** was established. During the interview, the experts received confirmation that all participants in the educational process know the mission of the organization and the main goals of the educational program, participated in the formation of proposals for the formulation of the mission. The participants of the meeting noted that the content of strategic documents is brought to the attention of doctoral candidates through the University's website, social networks, informational letters to medical and scientific organizations. Experts reviewed the Development Program of KMU NJSC for 2019 – 2023, which includes such areas as: preventive environment as the basis of public health; personalized approach in the management of a number of significant diseases; comprehensive research aimed at the development and introduction into pharmaceutical production of medicines based on domestic plant raw materials; medical and social problems of the elderly and senile age; research in the field of medical education; which confirms the implementation of the accreditation standard and demonstrates the goals, objectives and prospects of the organization.

In the "Operational Plan of the KMU NJSC for 2023", three Strategic directions are identified: 1. Leadership in research; 2. Excellence in education and student life; 3. Assistance to the health care system in strengthening and preserving health. And target indicators are provided for each direction, tasks are defined. 15 employees of the KMU NJSC participated in the preparation of this document.

During the visit to the university and visiting the research bases, experts received confirmation that the presence of a strong and effective research environment that promotes the development and formation of research skills among PhD doctoral students, which ensures the success of the educational program at the School of Pharmacy.

The five academic buildings house 13 specialized educational and scientific laboratories are located (biochemical laboratory, physiological laboratory, microbiological laboratory, pathomorphological laboratory, sanitary and hygienic laboratory, etc.). EEC experts visited laboratories and vivarium, where the implementation of research works of doctoral students takes place. The laboratories are equipped with supply and exhaust ventilation systems with mechanical inducements and separate (autonomous) ventilation devices for air extraction from exhaust cabinets in accordance with the requirements of the current SNiP. The experts were convinced that the material and technical base of the laboratories is constantly being expanded and updated with modern equipment.

The laboratory carried out joint projects with scientific and scientific-practical and clinical organizations of the Republic of Kazakhstan: Semey Medical University NJSC; Regional and City Children's Hospitals of Karaganda; National Center for Occupational Hygiene and Occupational Diseases; International Scientific and Production Holding "Phytochemistry" JSC; National Center of Biotechnology; National Scientific and Medical Center, Medical the Presidential Affairs Management Center, which is confirmed by the availability of documentation.

According to the self-assessment report of the 8D10140 "Pharmacy" program, the Biosciences Institute (BI) has more than 25 high-tech devices and a full range of auxiliary equipment to provide the necessary range of biomedical research, which was confirmed during a meeting and interview with the director of BI Klyuev D.A. The equipment fleet of RDL is undergoing scheduled mandatory maintenance, confirmed by entries in the laboratory logs.

The experts were convinced that the main divisions of KMU NJSC, such as the School of Pharmacy, the research laboratory of the Research Center, the vivarium have modern equipment, sufficient material and technical base so that doctoral students can carry out research work within the framework of doctoral PhD dissertations, scientific and technical programs and grant projects financing.

Dissertations of doctoral students undergo ethical examination in the Local Commission on Bioethics and the Ethical Commission for the Evaluation of Scientific Research of the KMU NJSC. The work of the Local Bioethics Commission is regulated by the Regulation approved by the Decision of the Board on 27.07.2022, Protocol No. 17.

In accordance with the individual work plan, a doctoral student is given the opportunity to undergo a scientific internship, including in foreign universities.

From March 2020 to the present, there have been no visits of doctoral students due to the pandemic, counseling is carried out using remote technologies. Within the framework of academic mobility, many memorandums of cooperation in the field of healthcare, medical education and science have been concluded with medical universities of Kazakhstan, universities of near and far abroad.

During the previous accreditation, there was a recommendation to develop joint educational programs. However, to date, the 8D10140 Pharmacy program has not implemented this recommendation and has not created a joint program with domestic and foreign medical and scientific institutions.

At a meeting with Vice-rectors for scientific and clinical work Turgunov E.M. and Vice-rector for Academic Work Toleubekov K.K., the members of the EEC raised the question of what the university administration is doing to increase the scientific potential of the university, increase the publication activity of HETP and students. One of the activities contributing to the implementation of the University's indicators for RW is the implementation of scientific research at the expense of intra-university grants, which is of great importance for obtaining preliminary results for subsequent participation in competitions held in the Republic of Kazakhstan and abroad, however, despite the success there are certain difficulties in this matter.

Over the past five years, the university has implemented 6 projects, currently 1 project is being implemented.

During an interview with employers - Director of the Karaganda Pharmaceutical Plant Tolokonnikov E.G., head of the research Park Ishmuratova M.Yu., during a visit to the School of Pharmacy, production bases (Research Park of Biotechnology and Ecomonitoring of the Karaganda University named after E.A.Buketov, Karaganda Pharmaceutical Plant, International Scientific and Production Holding Phytochemistry JSC) the experts were able to make sure that the practice bases fully comply with the training program, are accessible to teachers and doctoral students, that the equipment is modern and meets the needs of doctoral students and practical healthcare/business/production. The production facilities employ professionals who are consultants to doctoral students, who in every possible way contribute to mastering the skills necessary for a researcher. Experts have received strong evidence of compliance with **Standard 1**, as well as validation of the self-assessment report information.

When conducting a survey of teachers, 90.6% of them replied that they "fully agree" that the university has the opportunity to engage in scientific work and publish the results of research, and 9.3% answered "partially agree". 92.1% of respondents replied that they have access to participate in the research work of the university.

When questioning doctoral students on the question "In the organization of education there is access to the participation of students in research work", 92.1% of respondents fully agree with this statement, 6.4% partially agree and 1.6% completely disagree with this statement.

92.1% of respondents are fully satisfied with the "Library fund/resources", 6.4% are partially satisfied, 1.6% have no answer.

93.7% of respondents are fully satisfied with the "Accessibility to electronic educational resources", 4.8% are partially satisfied, 1.6% are not completely satisfied.

"Are you happy that you study in this particular educational organization?" 90.5% of respondents answered "yes, completely" and 8% of respondents are partially satisfied.

"Is the university management available to students" - 100% of respondents answered in the affirmative.

To the question "In this educational organization I have the opportunity to realize myself as a professional in my specialty" - 93.8% of the surveyed teachers answered that they fully agree, 6.3% are partially agree.

"Evaluate the timeliness of the execution of applications for the purchase of methodological and didactic materials, office equipment, stationery to ensure the educational process in the organization" - 93.8% of respondents replied that it was being carried out in a timely manner, 6.3% of respondents replied "I have nothing to do with it."

To the question "The University supports my participation in conferences (international, republican)" there were the following answers: payment of transportation, travel expenses, registration fee - 62.5%, payment of transportation only - 9.4%, does not pay any expenses - 3.1%, I do not contact the management about this -15.6%, there is no answer -9.4% the interviewees.

"My publication activity is evaluated by me personally on 5 points scale (from 1 - low to 5 - high)" 1 point -3.1%, 2 points -6.25%, 3 points -31.3%, 4 points -25%, 5 points -34.4%.

To the question "Are social support programs for teachers implemented at the university?" the following answers were received: yes, there are such programs - 78.1%, yes, I have already used it - 3.1%, no - 3.1%, I don't know about it - 15.6%.

Conclusions of the EEC according to the criteria. Out of 6 standards comply: fully - 5, partially -1, do not correspond – 0.

Standard 1: completed

Recommendations for improvement identified during the external visit:

1) Foreign internships of doctoral students should be carried out on a regular basis (Standard 1.4 basic standard/BS)

Standard 2: FINAL RESULTS

Evidence of compliance:

The requirements for the level of training of a doctoral student in the KMU NJSC are determined on the basis of the Dublin descriptors of the third level of higher education (doctorate) and reflect the acquired competencies expressed in the achieved learning outcomes. The PhD Doctoral Program 8D10140 "Pharmacy" contains data on competencies, learning outcomes based on competencies. Teaching methods and assessment methods are detailed in the self-assessment report. ("Comparability of learning outcomes, teaching methods and evaluation").

The expected competencies of doctoral students are divided into general and professional, the final learning outcomes for each competence are clearly formulated.

From interviews with doctoral students, it was found that before the start of classes, teachers inform about the mission, work plans of the educational organization, tell where to get the necessary information about the educational program, teachers, training bases. This indicates compliance with **Standard 2** in terms of adapting training to the needs of doctoral students.

During the visit to the KMU NJSC, the experts were presented syllabuses, TM, where the goal was defined, and the integration of practical and theoretical components, independent work was taken into account. The compliance of the educational program of the doctoral program of the State Educational Institution and the standard requirements has been established. During the external visit to the university, the experts were unable to attend the practical classes, since according to the schedule, the doctoral students' classes were completed. However, experts were able to see doctoral students in the workplace in production, where they performed their research work.

The University ensures compliance with ethical aspects in the implementation of the educational program. The experts studied the "Code of Business Ethics" approved on August 24, 2019, Protocol No. 4 and during the interview, residents and HETP replied that they were informed about the contents of this document. The final results of doctoral studies in the specialty "Pharmacy" are: the corresponding

number of credits gained; publication of the main results on the research topic in reputable scientific publications in accordance with the requirements of the "Rules for Awarding Degrees"; defense of the dissertation work. The achievement of the final results of training takes place according to the planning and support of the doctoral student as a supervisor and consultant, as well as the management of the HEI.

During the visit, the experts were presented with individual work plans of doctoral students (IWPDS), which are compiled for the entire period of study. The IWPDS reflects the entire trajectory of doctoral studies: individual curriculum; research work / experimental research work (DSRW / DSERW); practice with an indication of the program, base, with deadlines and reporting form; the topic of the doctoral dissertation with justification and structure; the plan of the doctoral dissertation; the plan of scientific publications and internships.

To assess the progress of the doctoral student in achieving the results of the educational and scientific components of the educational program, the Platonus AIDS provides a personal account of the student, where his data, individual curriculum, history of academic achievements, publications, mobility of the doctoral student, practical training and internships, personal achievements, such as participation in competitions, competitions, etc. are placed.

The scientific component in the training of doctoral students was studied, while the following evidence was obtained: doctoral students participate in competitions for research funding as scientific project managers, participated in the competition for grant funding of research of young scientists under the Zhas Galym project for 2022-2024 (Tulebaev E.A.). 2 applications were submitted for the competition of grant funding for the research of young scientists under the Zhas Galym project for 2023-2025, which received high scores during the state scientific and technical expertise (Tulebaev E.A., Abdrakhmanova G.M.).

Special competencies are developed at the level of a separate discipline. The content of the doctoral program "Pharmacy" reflects the social competence and the possibility of personal development of a doctoral student: the desire for professional improvement, the ability to self-study and professional mobility; knowledge, concepts, methods, skills and attitudes necessary to understand the social, socio-economic, demographic and cultural conditionalities of the causes of the spread and consequences of medical problems.

During the conversation with doctoral students, the experts were convinced that the organization promotes the development of scientific, practical and pedagogical competencies of future PhD doctors, including in alternative organizations. Doctoral students have the opportunity to work part-time at the bases of practice in production. At the same time, doctoral students form and deepen their theoretical knowledge obtained in the bachelor's degree, develop communication skills, in particular, doctoral students teach as undergraduate teachers at the School of Pharmacy, which does not contradict the L&R.

The analysis of educational activities showed that the scientific basis and all the achievements of science in the advising disciplines were taken into account, additions were made to the bibliography of methodological materials, and scientific supervisors apply them when working with doctoral students.

During the analysis of the self-report and when visiting the practice bases, no shortcomings were revealed. *Good conditions have been created for the implementation of the educational program. 95.24% of students noted that the content of the EP (list of disciplines) satisfies them completely; 96.8% of respondents noted that the university allows them to acquire the necessary knowledge and skills in the chosen specialty.*

To the questionnaire question "Do you think the university allows you to acquire the necessary knowledge and skills in your chosen specialty?" 96.8% of students answered yes, I am sure of it.

In the survey of HETP, 87.5% answered the question "I am satisfied with the organization of the educational process at the university", fully agree, 12.5% partially agreed.

Conclusions of the EEC according to the criteria. Out of 5 standards comply: fully - 5.

Standard 2: completed

Recommendations for improvement identified during the external visit: none

Standard 3: ADMISSION POLICY AND CRITERIA

Evidence of compliance:

Admission of students to the PhD doctoral program 8D10140 "Pharmacy" is carried out on the basis of the "Admission Policy of students" included in the Academic Policy of the University. Experts have familiarized themselves with this document.

The admission policy and the procedure for admission of citizens to doctoral studies is determined by the Order of the Minister of Education and Science of the Republic of Kazakhstan dated October 30, 2018 No. 600 "On approval of standard rules for admission to study in educational organizations implementing educational programs of higher and postgraduate education". The admission policy is updated annually.

Admission to the PhD doctoral program 8D10140 "Pharmacy" is carried out by the admission committee, the composition of which is approved by the Chairman of the Board-the Rector. The Admissions Committee consists of an odd number of members, the Chairman of the admissions Committee is the Chairman of the Management Board-the Rector of KMU NJSC. The Executive Secretary of the Admissions Committee is appointed by the order of the Chairman of the Board-Rector. Acceptance of applications for admission to doctoral studies is carried out by the admissions committee within the time limits established by the "Standard Rules for admission to educational organizations implementing educational programs of higher and postgraduate education", approved by Order of the Minister of Education and Science of the Republic of Kazakhstan dated October 30, 2018 No. 600. Persons with a Master's degree and at least 1 (one) year of work experience are accepted for doctoral studies. The previous level of education of persons wishing to master the PhD program of the doctoral program 8D10140 "Pharmacy" assumes: master's degree in the specialty 7M10104 - "Pharmacy" and 7M07201 – "Industrial Pharmaceutical Technology".

The Dean of the School of Pharmacy, candidate of biological sciences, Loseva I.V., Doctor of Pharmacy, Professor Abdullabekova R.M., Doctor of Chemistry, Professor Atazhanova G.A., Doctor of Pharmacy, Assoc.Professor Ivashenko S.A., Candidate of Pharmaceutical Sciences, A.T., Doctor of Pharmacy, assoc.Professor Ivashenko S.A. were involved in the work of the admissions committees. All members of the commissions have experience in developing and performing scientific research as managers and responsible executors of scientific and technical programs and projects of the university, publishing articles and theses in international indexed journals, participating in scientific conferences over the past 5 years.

When approving the topics of dissertation research for the full implementation of research, the provision of the material, technical and laboratory base of the KMU NJSC with the use of its own resources is taken into account, if necessary, the resources of republican and foreign universities and scientific organizations are attracted on the basis of existing memorandums of cooperation in the field of healthcare, medical education and science.

Since 2018, for the development of the material and technical base of the Bioscience Institute , equipment with a total cost of 350 million KZT was purchased for scientific research and dissertation research of doctoral students.

The completion of the research is reflected by the doctoral student in an individual work plan, which is compiled for the entire 3-year period of study and includes a section "Research work". This section reflects the plan of work on the dissertation, including the main activities with deadlines, the plan of scientific publications indicating the type of scientific publication, the planned publication and deadlines, the internship plan indicating the place, purpose and objectives of the internship and the timing of completion.

The individual work plan of the doctoral student (IWPDS) reflects the personal contribution of the doctoral student to the implementation of the dissertation research. It is compiled under the guidance of scientific consultants. The experts were presented with the IWPDS of students in doctoral studies.

According to the self-assessment report for the reporting period, 7 doctoral students were enrolled in the specialties of the doctoral program "Pharmacy" and "Industrial Pharmaceutical Technology", 6

people were trained, 2 doctoral PhD dissertations were successfully defended, 2 graduates were awarded the degree of doctor of PhD, 3 doctoral PhD dissertations were submitted to the dissertation council, 1 person continues studies. There were no cases of expulsion or academic leave during the period of study.

It is possible to trace the trajectory of training, evaluate the work of a doctoral student, his growth and development, educational and scientific achievements through a personal account in the Platonus AIDS, which was confirmed by doctoral students at a meeting with experts of the EEC.

Due to the insufficient number of state orders for the preparation of doctoral students in the specialty 8D10140 "Pharmacy", most of the doctoral students are trained in the specialty "Industrial Pharmaceutical Technology".

88.9% of the surveyed students noted that the university has and implements social programs to support students. During the interview, doctoral students expressed their confidence in finding employment at the end of their doctoral studies, while 85.7% of respondents noted that there are career counseling services for students.

Both during the analysis of the report on the self-assessment of the educational program, and during the visit to the KMU NJSC, there were no shortcomings and comments in the implementation of the "Final Results" standard.

The conclusions of the EEC show that out of 6 standards correspond to the criteria: completely -6.

Standard 3: completed

Recommendations for improvement identified during the external visit: none

Standard 4: PhD DOCTORAL PROGRAM

Evidence of compliance:

During the visit to the university, the experts got acquainted with the "Regulations on Doctoral Studies", approved by the decision of the Board on 26.08.2019, Protocol No. 8, "Regulations on the management of the educational program", approved by the decision of the Board on April 9, 2020, Protocol No. 14.

According to the above documents, the management of the doctoral program is carried out using the following components: 1) strategic management; 2) organizational management; 3) operational management.

The Regulation describes in detail the procedure for the development, approval and updating of the educational program, the concept of the educational program, the development of the educational program, the plan for the development of the educational program.

Updating of the EP is carried out if it is necessary to make changes to the EP less than 70%, if more than 70% of the changes are made, re-approval as a new EP is carried out. The basis for updating the EP can be: the results of the assessment of the quality of the EP and the change in the L&R. The implementation of the updated EP is carried out from the next academic year.

The quality of the EP is ensured by the participants in its implementation: the Dean of the School, the Head of the EP, the coordinators of the modules responsible for the discipline, heads of departments, teachers.

Quality assessment at the level of the educational program is provided by the "Quality Assurance Commission" of the Pharmacy School, at the institutional level – by the "Department of Strategic Development and Quality Management".

The quality control and improvement of the EP are carried out through internal audit; external quality assessment procedures take place during accreditation in accordance with the documented procedure "Organization of preparation for institutional and specialized accreditation in the KMU NJSC and other external inspections by authorized bodies.

The 8D10140 "Pharmacy" program undergoes quality monitoring 1 time in 3 years, in preparation for specialized accreditation, quality monitoring took place unscheduled.

The head of the educational program Ivashenko Svetlana Aleksandrovna has academic authority in her professional field, PhD, a scientist with extensive professional and scientific-pedagogical experience. Ivashenko S.A. is responsible for the organization of ensuring and monitoring compliance with the requirements for the implementation of the EP established by law; responsible for coordinating the work on the development, implementation, monitoring and development of the program.

The experts were presented with the educational and methodological complex of the discipline.

When meeting with doctoral students, the experts found out that the doctoral student's educational activity consists of attending lectures, seminars, group classes, practical and laboratory work, independent work, including under the guidance of a teacher, practice at work, scientific internship, research work / experimental research work, and at the end of the training writing and defending doctoral dissertation.

Doctoral students have the opportunity to participate in international conferences and forums in the country and abroad in their specialty. In 2021, PhD student Tulebaev E.A. received the Grand Prix for the best report in English at the International Scientific and Practical Conference of Young Scientists and Students "Topical Issues of New Medicines Development" (NFaU), Kharkiv, Ukraine. The results of the doctoral students' work were reported at forums in Kazakhstan, Argentina, Ukraine, Tajikistan, and Russia.

123 credits were allocated for research work in the 8D10140 "Pharmacy" program in accordance with the State Standard of Higher and Postgraduate Education.

The progress of a doctoral student is assessed through: intermediate attestation; preliminary discussion of the dissertation work (approbation) in the 6th semester, oral presentation of the dissertation work, discussion at an extended meeting of the department; final attestation, which implies writing and defending the dissertation work in the Dissertation Council.

During the visit to the departments, the experts were convinced that the work programs, TM, defined the goal, took into account the integration of practical and theoretical components, independent work, there is full compliance with the SCES and standard requirements.

The University ensures compliance with ethical aspects in the implementation of the educational program, as experts have studied the "Code of Business Ethics", approved on August 24, 2019, Protocol No. 4, and during the interview, residents replied that they were informed about the contents of this document.

The analysis of educational activities showed that the scientific basis and all the achievements of science in the advising disciplines were taken into account, additions were made to the bibliography of the TM and syllabuses, and teachers apply them in the classroom.

In order to validate the implementation of the data of the self-assessment report and obtain evidence about the quality of programs, interviews were conducted with doctoral students and graduates of the accredited specialty 8D10140 "Pharmacy" (Amirzhanova Aidana, Abdrakhmanova Gulmira, Tulebaev Yerbolat). Experts asked questions about satisfaction with learning, sufficiency of time to recruit material for a dissertation, work with documentation, satisfaction with teaching methods and qualifications of teachers, social and moral support for doctoral students in need, participation in scientific work, availability of resources of international databases of professional literature. The skills of using these resources were evaluated when visiting the University Library, Gym, Student Service Center, Department of Academic Work.

In general, doctoral students are satisfied with the training and scientific guidance, assessment methods, and purposefully enrolled in this organization, as they believe that the university has good resources, image and international relations. *At the same time, the wishes of doctoral students include an increase in the state order for doctoral studies in Pharmacy, the possibility of internships abroad and participation in academic mobility programs in the country and abroad.*

Doctoral students showed their commitment to the university, were active in answering questions from ECAQA experts, demonstrated their point of view on the organization of training and providing conditions for the implementation of dissertation research, submitting a dissertation for defense, evaluating their skills, advisory support, opportunities to participate in educational organization

activities, financing. Experts have studied the documents of doctoral students (evaluation results, survey results, abstracts, dissertations).

Interviews with 6 potential employers of graduates of the 8D10140 "Pharmacy" program were conducted offline and included such questions as: knowledge of the university's mission, participation in the development of the mission and proposals to the strategic plan, participation in the work of advisory bodies, satisfaction with the basic knowledge and skills of doctoral students, providing the supervising department located in the clinic and doctoral students with the necessary resources for scientific and practical training and the formation of critical and research thinking, about the problems of interaction with departments, 100% employment of graduates upon completion of doctoral studies, etc. Tolokonnikov E.G. and Ishmuratova M.Yu., on the basis of which doctoral students undergo industrial practice, carry out their RW, noted the high commitment and responsibility of doctoral students both to training and the development of professional skills in the workplace.

The experts did not find any shortcomings in assessing the implementation of this standard when analyzing self-reports and when visiting a university.

92.06% of respondents are completely satisfied with the schedule of training sessions in the disciplines of the educational program.

95.24% of the respondents answered that the content of the educational program (list of disciplines) in the chosen specialty fully meets their expectations.

"Program managers and teachers are aware of the problems of students related to learning" - 82.5% of respondents fully agree with this statement, 15.9% of respondents partially agree, 1.6% of respondents completely disagree. "The educational organization has access to the participation of students in research work" - 92.1% of respondents fully agree with this statement, 6.35% of respondents partially agree, 1.6% of respondents completely disagree with this statement.

In a survey of teachers, "Students have free access to the resources of the practice bases to improve their practical skills," 96.9% of respondents fully agree, 3.1% of respondents partially agree.

"Do the heads of the organization listen to your opinion regarding questions on the educational process, research" - 84.4% of respondents answered "yes, systematically", 12.5% of respondents answered "yes, sometimes".

"What teaching methods do you most often use in the process of teaching doctoral students?" - Lectures are used by 18.8% of respondents, Oral analysis of the topic of the lesson - 59.4%, Rewriting thematic information from monographs - 6.3%, Problem-oriented learning - 71.9%, Interactive learning - 43.8%, Drafting and solving cases - 56.3%, Oral survey of students - 59.5%, Work in small groups - 59.4%, written assignments - 50%.

Conclusions of the EEC according to the criteria. Out of 10 standards comply: fully -10.

Standard 4: completed

Recommendations for improvement identified during the external visit: none

Standard 5: SCIENTIFIC GUIDANCE

Evidence of compliance:

A doctoral student of the 8D10140 "Pharmacy" program is assigned scientific guidance in the amount of at least two scientific consultants, including a foreign consultant, within two months after enrollment. This is necessary to provide scientific and methodological assistance when working on a dissertation, control over the performance of work, if necessary, psychological support, and make recommendations about the participation of doctoral students in the educational process.

During the interview with the HETP, doctoral students found out that the candidates of scientific consultants are considered and discussed at the Council of the Research School and approved by the University Senate in accordance with the Regulations on doctoral studies and the "Academic Policy of the KMU NJSC.

The interview participants noted that when choosing scientific consultants for doctoral students, the main requirement is high professional competence, active research practice in the field of healthcare

and pharmaceutical sciences, the presence of an academic degree (doctor or candidate of sciences) or a PhD degree.

The experts got acquainted with the Regulations on doctoral studies at KМУ NJSC (Board Decision from November 18, 2020, Protocol No. 24), which clearly spelled out the organization of the work of scientific consultants on the management of a doctoral dissertation and the duties of a scientific consultant. The scientific consultant supervises the implementation of the individual work plan of the doctoral student, together with the doctoral student discuss the results of the work, corrects the prepared publications and assists in their publication. He also provides methodological assistance in the preparation of the dissertation work with its subsequent verification.

The staff of HETP engaged in the training of doctoral students in the specialty 8D10140 "Pharmacy" is represented by scientists with extensive experience in scientific and pedagogical work, who have publications in peer-reviewed journals.

Ivasenko Svetlana Aleksandrovna, Ph.D., Associate Professor, total work experience of 30 years, scientific experience of 15 years, supervisor of 3 doctoral students, 10 articles published in peer-reviewed journals. Ivasenko S.A. in 2013-2020 took part in the implementation of 5 STP: O.0660 "Integrated approaches in managing the health of the population of the Aral Sea region"; O.0769 "Development of scientific foundations for the formation of a preventive environment in order to preserve public health"; O.0821 "Personalized approach in the management of a number of significant diseases" of the MES RK; Grant project financing "Development and application of an allograft impregnated with an antibiotic, prepared according to the Marburg bone bank system for the treatment of osteomyelitis" of the MES RK; Intra-university grant "Development of the composition and technology for obtaining new antimicrobial and expectorant drugs based on some representatives of the genus *Thymus L.*".

Abdullabekova Raisa Musalmambekovna, Doctor of Pharmacy, Professor, total work experience of 40 years, scientific experience of 40 years, supervisor of 2 doctoral students, 4 articles published in peer-reviewed journals, participation in the intra-university grant "Pharmaceutical development of medicines from plants of the Dipsacaceae family" in 2017, KМУ NJSC.

Irina V. Loseva, School of Pharmacy, Ph.D. in Biology, total work experience of 37 years, scientific experience of 20 years, supervisor of 1 doctoral student, 6 articles published in peer-reviewed journals, participation in NTP: Grant financing project "Development of technology of a medicinal product of plant origin with antitumor effect against a prostate cancer cell line human RS-3", 2022-2024; Intra-university grant "Comprehensive study of biologically active substances of certain representatives of the genus *Thymus L.* growing on the territory of Kazakhstan to create effective domestic phytopreparations based on them", 2017; Intra-university grant "Development of the composition and technology for obtaining new antimicrobial and expectorant drugs based on some representatives of genus *Thymus L.*", 2018-2020

The system of appeal of the results of the dissertation defense is reflected in the document "On approval of the Rules for awarding degrees", in accordance with Chapter 5 of the Order of the Minister of Education and Science of the Republic of Kazakhstan dated March 31, 2011 No. 127 and during the period of work of the organization of education there were no precedents of appeal. Thus, compliance with Standard 5 Scientific Guidelines has been established.

The system of appeal of the results of the dissertation defense is reflected in the document "On approval of the Rules for awarding degrees", in accordance with the Order of the Minister of Education and Science of the Republic of Kazakhstan dated March 31, 2011 No. 127 and during the period of work of the organization of education there were no precedents of the appeal.

During the visit to the organization and during the interview with the employee Ivasenko S.A., the head of the doctoral student, the commission made sure that there is a documentation system that is transparent and accessible to all teachers/supervisors and employees, and includes documents such as annual operational plans, annual reports, regulations of departments, contracts with teachers, Individual work plans the work of doctoral students, and educational and methodological documentation (work program, work curricula, syllabuses, journals), evaluation tools (checklists, statements), certificates,

certificates and certificates. A review of the website showed that the necessary documents for doctoral students are placed on its pages.

The conversation with Abdullabekova R.M. included such issues as the conditions for the work of HETP and scientific leadership at the university and allowed experts to learn about approaches to attracting employees of International Scientific and Production Holding Phytochemistry JSC as scientific supervisors (there are 2 such teachers in total), about the strategy and tactics of admission of doctoral students to this specialty, information the provision of the educational program, as well as to identify problems in the management and development of human resources, as the creation of a favorable environment for work and social support of university staff.

The formation of a pool of scientific supervisors is carried out in accordance with the Requirements for scientific consultants, which are prescribed in the "Regulations on Doctoral Studies". Scientific supervisors are appointed as leading scientists of the university who have the appropriate academic degree and have 2 publications in international peer-reviewed scientific journals included in the 1st, 2nd, 3rd quartile according to JCR in the Web of Science Core Collection or having a CiteScore percentile of at least 35, or the Hirsch index of 2 or more.

Interviews with 5 teachers, including 4 full-time teachers, showed that there are both successes and problems in the management of education, depending on the specific base (admission of doctoral students to equipment and office equipment, sufficient material for a dissertation, time to maintain medical records, independent work). Experts received answers about the professional development program for teachers and supervisors, whether teachers have certification in teaching methods and scientific research. The teachers were trained on the following topics: "Ethics of biomedical research", "Effective teacher", "Researcher and scientist"; "Topical issues of management in pharmacy", "Design of competence-oriented modular educational programs based on the requirements of employers"; "Training of specialists according to the requirements of the international certificate ISO 37001:2016".

Experts have studied materials on the admission of doctoral students and the selection of teachers of the PhD doctoral program 8D10140 "Pharmacy" and established compliance with standard 5.

In order to verify the data of Standard 5, external experts received an opinion on the personnel policy and approaches to the development of teachers' pedagogical competence and leadership skills from doctoral students' scientific consultants, motivation to work with doctoral students, the implementation of the scientific leadership system (4 people in total).

Experts have found that doctoral students enter the educational organization with a previously defined topic for dissertation research, and scientific supervisors regularly consult and stimulate the need for additional training and independent work with literature. The Department carries out the planning of the educational trajectory by students, together with the supervisor, on the basis of the catalog of elective disciplines and the working curriculum, develops a plan for step-by-step work on the dissertation and publication of its results, deadlines for the submission of intermediate and final forms of control over the progress of the dissertation. So, scientific consultants consult with their doctoral students at least 5-6 times a month. During such consultations, the degree and quality of scientific research is evaluated, their compliance with an individual work plan, recommendations are given on theoretical and experimental issues of research, etc.

The KMU NJSC takes into account the achievements and experience gained in the relevant courses in other educational and scientific institutions. The university's policy in this direction is lifelong learning.

As a disadvantage, it can be noted that to date, the scientific supervisors of doctoral students have not received formalized training in scientific leadership. Experts noted the need to improve professional and pedagogical qualifications for international programs in the countries of the far and near abroad.

In the questionnaire to the question "Program managers and teachers are aware of the problems associated with learning" - 82.5% of students answered that they fully agree, 15.9% of students were partially agree and 1.6% were completely disagree with this statement.

95.2% of respondents are satisfied with the activities of their mentors and scientific supervisors.

In a survey of HETP to the question "In this educational organization I have the opportunity to engage in scientific work and publish the results of research" - 90.6% answered that they fully agree, 9.38% of students were partially agree.

"Do the heads of the university listen to your opinion regarding questions on the educational process, research, clinical work" - 84.4% of respondents answered "yes, systematically", 2.5% of respondents answered "yes, sometimes". To the questionnaire question "I studied at professional development courses (programs)" - 87.5% of respondents answered "during this year", 9.4% of respondents answered "studied more than 5 years ago".

Conclusions of the EEC according to the criteria. Out of 11 standards comply: fully -10, partially -1, do not correspond to - 0.

Standard 5: completed

Recommendations for improvement identified during the external visit:

- 1) To provide for the signing of an agreement between the supervisor, the doctoral student and the head of the doctoral program in scientific management. (5.9, improvement standard/IS)

Standard 6: PhD DOCTORAL DISSERTATION

Evidence of compliance:

During the period of study in the PhD doctoral program 8D10140 "Pharmacy", the following evaluation of dissertations is provided and implemented: preliminary discussion of the dissertation work at the department; the procedure for discussing the dissertation work of a doctoral student at the Scientific Expert Council of the University; defense of the dissertation work in the Dissertation Council (DS). University professors and scientists from other universities and scientific organizations who have an academic degree in the relevant specialty and do not have a conflict of interest with the doctoral student and the doctoral student's scientific supervisors are involved as independent reviewers.

For 2018-2022, 4 leading scientists of the Republic of Kazakhstan in the field of pharmacy were appointed as reviewers.

Doctoral students of the PhD doctoral program 8D10140 "Pharmacy" demonstrated to the experts of the EEC how the procedure for submitting documents takes place at the completion of the doctoral thesis, showed a list of documents.

The approbation and defense of dissertations of the PhD doctoral program 8D10140 "Pharmacy" is open to the public and employees, teachers and students of the university. KMU NJSC has information technologies for conducting meetings on approbation and defense of dissertations, if necessary, in a remote format.

As part of the DC on the profile of pharmacy (6D114400) and pharmaceutical production technology (6D074800), 6 members work together, 50% of the members of the dissertation councils are representatives of other universities, scientific and (or) other organizations (MH RK, AMU NJSC, Asfendiyarov KazNMU). The DC includes 1 academician of the NAS RK, 1 corresponding member of NAS RK, 2 Doctors of Pharmaceutical Sciences, 2 Candidates of pharmaceutical sciences. *However, the DC does not include scientists - representatives of foreign universities in the field of pharmacy (6D114400) and pharmaceutical production technology (6D074800).*

In order to expand international relations and internationalization, the possibility of including one representative of a foreign country in the composition of the Dissertation Council is being considered.

The Regulation on the DC provides for the avoidance of a conflict of interest if the doctoral student's supervisor is part of the DC.

Revision/correction of the identified shortcomings is provided at the stage of consideration by 3 experts from among the members of the dissertation council (admission of the dissertation to defense). The deadline for submitting a corrected dissertation is 3-4 days.

Study of the "Regulations on doctoral studies in the KMU NJSC, approved by the Board decision on August 26, 2019 (Protocol No. 8), showed that the university has implemented a proper evaluation

policy, which allows to comprehensively evaluate the academic achievements of doctoral students and submit a dissertation to the DC.

EEC experts have studied the protocols in which doctoral students at the end of each semester provide reports on the results of scientific research, which are reported and discussed at meetings of the School of Pharmacy, including the progress of the dissertation work and the contribution of the doctoral student. There are also discussions on the approbation of the dissertation of doctoral students for the degree of Doctor of Philosophy (PhD) "Technology of pharmaceutical production".

The study of the "Regulations on doctoral studies in the KMU NJSC" showed that the university has implemented a proper evaluation policy that allows a comprehensive assessment of the academic achievements of doctoral students and submit a dissertation to the DC.

The meeting with the members of the SD for the PhD doctoral programme 8D10140 "Pharmacy" demonstrated the existence of a sustainable practice at the university for reviewing, discussing and deciding on a dissertation. During the interview, the doctoral students talked about the forms of training, consulting and evaluation, the doctoral students noted that the university has a practice of examination of completed works (materials for publications, dissertations) by scientific supervisors and doctoral students for self-control and verification of their own work using licensed information programs (until 2018, the information resource "Anti-Plagiarism" based on agreements with Anti-Plagiat CJSC (Russian Federation), since 2018 - the Turnitin program, since 2021 - the program Strikeplagiarism.com and, which allow you to avoid the risks associated with the originality of the work. The doctoral students noted that they are completely satisfied with the possibility of conducting research at the university and fully receive help and support from scientific supervisors and consultants. Doctoral students noted that they receive regular feedback from teachers and research supervisors.

A review of the resources showed that they correspond to the goals and objectives of educational activities, for example, bases for carrying out research work were visited, in particular, the members of the EEC were shown receiving ultrasound extracts from the medicinal plant St. John's Wort *Spirea* by a doctoral student.

A review of the resources showed that they correspond to the goals and objectives of educational activities, for example, bases for carrying out research work were visited, in particular, the members of the EEC were shown receiving ultrasound extracts from the medicinal plant "St. John's Wort *Spirea*", the technology of an original drug for the treatment and prevention of *Helicobacter pylori* - associated diseases based on ultrasound extract of the *Thymus serpyllum* L. and its standardization.

Warm and collegial relationships between university staff, production staff and doctoral students were demonstrated, all the conditions created for achieving the final results of training by doctoral students. There is a sufficient amount of material for the dissertation, modern equipment that is available to young researchers, and employees who simultaneously perform the roles of teachers and scientific supervisors provide high-quality training in compliance with ethics and deontology.

During the visit, the experts received positive feedback, highly appreciated the doctoral students both in terms of training, and in terms of ethics, intelligence and compliance with the status of a student in doctoral studies.

As a recommendation for improvement, since there are doctoral students with a high level of English proficiency, the dissertation can be written and defended in English.

To the question of the questionnaire "In the organization of education there is access to the participation of students in research work" - 92.1% of respondents answered that they fully agree with this statement, and 9.5% of respondents were partially agree.

92.1% of respondents are fully satisfied with library resources, 4% of respondents are partially satisfied.

93.7% of respondents are fully satisfied with access to electronic educational resources, 4.76% of respondents are partially satisfied, 1.6% of respondents are not completely satisfied.

90.5% of respondents fully agree to the question "There is time for practical training, work in laboratories, in pharmaceutical production", and 9.5% of students were partially agree.

Conclusions of the EEC according to the criteria. Out of 9 standards comply: fully -8, partially -1, do not correspond to - 0

Standard 6: completed

Recommendations for improvement identified during the external visit:

- 1) Develop and implement incentive mechanisms for writing and defending dissertations in English. (6.1 IS)

Standard 7: EVALUATION

Evidence of compliance:

The student assessment system is summative. In the approved WC, the exam form is presented next to each discipline. For example, a **written exam** for the disciplines "Academic Writing", "Project Management", "Ethics of research", "Fundamentals of pharmaceutical research", "GLP in pharmaceutical development", "Phytochemical research of medicinal plants", "Modern technologies and production of medicines" is provided in the WC for doctoral students of the 1st year of IPT.

When visiting the university, WC No. 101/425 of 02.02.2022 for 2022-2025 academic years, WC No. 101/2476 of 02.06.2021 for 2021-2024 academic years (SSO 2018), WC No. 101/1524 of 09.04.2021 for 2020-2023 academic years were studied; syllabus "Fundamentals of pharmaceutical development", and syllabus "Ethics of research", approved by the head of the educational program G.A.Atazhanova on 31.08.2022. The experts got acquainted with the maintenance of electronic educational journals, statements that are stored in AIDS "Platonus". The academic policy of KMU NJSC was presented to the experts.

The study of control and measuring tools (examination questions and essays) showed that the organization has implemented a proper assessment policy that allows for a comprehensive assessment of the educational achievements of residents. During the interview, the doctoral students told about the forms of assessment, for example, about written works and that they are satisfied with everything, and receive regular feedback from teachers.

The system of appeal of evaluation results is reflected in the document in AIDS "Platonus" and in the "Session" in electronic form and there were no precedents of appeal during the period of the organization of education. Thus, compliance with Standard 7 has been established.

During a visit to the university and during an interview with the Director of the Institute of Life Sciences, D.A. Klyuev, the expert commission made sure that there is a documentation system that is transparent and accessible to all teachers and staff and includes all the necessary documents.

At the end of each semester, doctoral students of the 8D10140 "Pharmacy" program provide reports on the results of scientific research of dissertations, which are reported and discussed at meetings of the School of Pharmacy, including the progress of the work and the contribution of the doctoral student (protocols). There are also discussions on the approbation of the dissertation of doctoral students for the degree of Doctor of Philosophy (PhD) "Pharmacy" (Protocol No. 12 of 31.05.2022).

During the doctoral studies, the following evaluation of dissertations is provided and implemented: preliminary discussion of the dissertation work is held at a meeting of the department of the university, the procedure for discussing the dissertation work of a doctoral student at the Scientific Expert Council of the University, defense of the dissertation work in the Dissertation Council.

When questioning students on the question "Teachers provide students with methodological and didactic materials, additional literature for preparing for classes", 90.5% of respondents answered "I fully agree with this statement", 9.5% of respondents were partially agree

To the question "Evaluate the organization of practical training" - 87.3% of respondents answered "excellent", 11.1% of respondents answered "good" and 1.6% of respondents answered "satisfactory".

"I am satisfied with the methods of assessing my knowledge and skills" - 93.7% of respondents fully agree with this statement, and 6.35% of respondents are partially satisfied.

"Teachers use active and interactive teaching methods in the classroom" - 92.1% of respondents answered regularly,

"After completing classes, does the teacher give you feedback (listens to your opinion, conducts a mini-questionnaire, works on mistakes)" - 92.1% of respondents answered "yes, constantly", 7.94% of respondents answered "sometimes".

Conclusions of the EEC according to the criteria. Out of 7 standards comply: fully -7.

Standard 7: completed

Recommendations for improvement identified during the external visit: none

Standard 8: ORGANIZATION STRUCTURE

Evidence of compliance:

Financial management and planning at KMU NJSC is carried out on the basis of the current legislation of the Republic of Kazakhstan, the Strategic Plan and the Development Plan of KMU NJSC, the Operational Plan for the implementation of the Mission, goals and objectives of the University.

The experts got acquainted with the above documents and made sure that the process of forming the university's budget for the current year includes the definition of the revenue and expenditure base. The revenue part of the university budget is formed at the expense of the state educational order, income from the provision of paid educational services, research and other works that do not contradict the legislation, international funds, organizations, grants, etc.

The expenditure part of the budget is formed on the basis of a consolidated calculation of the need for the staff of the teaching personnel, teaching and support, administrative and managerial and service personnel, consolidated applications of departments and structural divisions, equipment of classrooms with equipment and materials for the educational process, updating the library's book fund, advanced training of HETPI, AMP. The expenses are also directed to the development of scientific and clinical activities, reconstruction and capital investments, the purchase of computers, multipliers and software, licenses, patents and other intangible assets.

The university successfully practices separate accounting of finances for educational programs. The budget of educational services programs for the preparation of bachelors, undergraduates, doctoral students is based on the needs necessary for the educational process: equipping the material and technical base for the development of technology of medicinal substances and drugs, the costs of scientific internships in the near and far abroad, the costs of academic mobility, participation in scientific conferences.

Since 2017, the University has an Internal Audit Service, which reports to the Board of Directors and the Internal Audit Department of the Ministry of Health.

According to the work plan approved at the meeting of the Board of Directors, the Internal Audit Service conducts an audit of educational programs and, based on the results of the audit, makes recommendations on improving financial and academic integrity.

KMU NJSC has all the necessary resources for the proper implementation of doctoral programs: an admissions committee for the selection of doctoral students, departments/divisions, laboratories, a library, clinical bases for the implementation of the educational part of the program, Dissertation councils for the evaluation and defense of the dissertation.

At the meeting with the experts of the EEC, the staff of the KMU NJSC, Vice-Rector for Science and Clinic, Academic Work, Head of the Career Development Department, Dean of the School of Pharmacy, Director of the Institute of Life Sciences, members of the Academic Committee noted that the university takes into account the achievements and experience gained in other educational and scientific institutions. The university's policy supports lifelong learning.

The procedure for the development, approval, updating and management of educational programs is defined by the "Regulations on the management of the educational program of KMU NJSC" (Protocol No. 14 of 09.09.2020), approved by the decision of the Board of KMU NJSC in 2020.

The decision to update the educational program is made if it is necessary to make at least 70% of the changes.

The basis for updating the EP can be: the results of the quality assessment of the EP (recommendations / comments on quality assessment; internal and external) and objective changes in the conditions for the implementation of the EP (changes in the L&R, scientific achievements).

Quality assessment at the EP level is provided by the Quality Assurance Commission, at the institutional level by the Department of Strategic Development and Quality Management. The following is conducted: internal audit and external quality assessment procedures: accreditation in accordance with the documented procedure "Organization of preparation for institutional and specialized accreditation in the KMU NJSC, external inspections by authorized bodies. The university has developed a checklist for quality control of the implementation of the EP.

The results of a survey of doctoral students to assess satisfaction with the quality of education, administrative and economic conditions, the level of teaching, the organization of practices and the teaching staff and scientific supervisors for satisfaction with working conditions, which are conducted on a regular basis, are presented to the experts of the EEC.

The university has bodies, conciliation commissions dealing with the resolution of conflicts between stakeholders. Their work is carried out on the basis of developed and approved Regulations based on the legislation of the Republic of Kazakhstan.

In case of problems, doctoral students have the opportunity to directly contact the Dean's office of the Research School, leave a message in the Dean's blog or rector's blog in case of any kind of violations of the rights of the student.

Doctoral students of the 8D07201 "Pharmaceutical Production Technology" program have the opportunity to address the dean or supervising vice-rector orally/in writing, as well as can leave a message to the blogs of the rector, Dean on the university website.

The policy of compliance with the rights and obligations of employees and students of the university guarantees confidentiality when advising doctoral students on the doctoral program, scientific guidance, as well as on personal issues.

The KMU NJSC provides an appeal mechanism at all stages of admission and training in doctoral studies. The procedure for reviewing applications / appeals of doctoral students is carried out in accordance with internal regulatory documents: Academic Policy, Regulations on the rating system of student evaluation, which prescribe official procedures for appeals of doctoral students. The appeal procedure is carried out on a commission by the teachers of the department in the presence of an employee of the Dean's office. Based on the results of the review, a decision is made, which is brought to the attention of the doctoral student.

The 8D10140 "Pharmacy" program is implemented by the School of Pharmacy, the Institute of Life Sciences, laboratories, departments of the School of Pharmacy, the Department of Academic Work, the Department of Career Development, the Academic Committee of the Senate, the Commission for Quality Assurance of the School of Pharmacy, the Department of Human Resources Management, the Department of Economics and Finance, the library.

During a visit to the HEI and an interview with employees of the above departments of the university, the members of the EEC received comprehensive information about the role of each of these sectors in the implementation of the EP, received feedback about doctoral students, their work in the field. Each department in the implementation of the EP works within the framework of its official duties.

Doctoral students take part in the Institute's Council, the Senate and the School Quality Assurance Commission.

To the question of the questionnaire "Program managers and teachers involve students in the work of advisory bodies (methodological council, academic council, committees of educational programs)", respondents answered as follows: yes, constantly - 79.4%, no, they do not involve - 4.8%, I do not know anything about it -11.1%, I doubt the answer - 4.8%.

Conclusions of the EEC according to the criteria. Out of 9 standards comply: fully - 7, partially – 2, do not comply - 0

Standard 8: completed

Recommendations for improvement identified during the external visit:

- 1) Conduct benchmarking to evaluate and update the educational program. (8.4 BS)
- 2) Systematize mechanisms for monitoring and evaluating changes in the educational program. (8.5 BS)

Thus, out of 63 accreditation standards, 58 have been fully implemented, 5 have been partially implemented, including 3 basic standards (BS) and 2 improvement standards (IS).

5. Recommendations for improving the educational program of the PhD doctoral program 8D10140 "Pharmacy":

1. Foreign internships of doctoral students are carried out on a regular basis. (1.4 BS)
2. To provide for the signing of an agreement between the supervisor, the doctoral student and the head of the doctoral program in scientific management. (5.9 IS)
3. Develop and implement incentive mechanisms for writing and defending dissertations in English. (6.1 IS)
4. Conduct benchmarking to evaluate and update the educational program. (8.4 BS)
5. Systematize mechanisms for monitoring and evaluating changes in the educational program. (8.5 BS)

6. Recommendation to the ECAQA Accreditation Council

The members of the EEC established the compliance of the educational program of the PhD doctoral program in the specialty of the PhD doctoral program 8D10140 "Pharmacy" with the Accreditation Standards and came to a unanimous opinion to recommend to the ECAQA Accreditation Council to accredit this program for a period of 5 years.

Members of EEC	Full name
Chairman	Kudabaeva Khatimya Ilyasovna
Foreign expert	Ryzhkin Sergey Alexandrovich
Foreign expert	Afrikyan Shushanik Georgievna
Academic expert	Urazova Saltanat Nurgozhayevna
Academic expert	Shabdarbayeva Daria Muratovna
Academic expert	Ramazanova Raigul Mukhanbetovna
Academic expert	Zhumalina Akmaral Kanashevna
Academic expert	Tuleutaeva Raykhan Yesenzhanovna
Academic expert	Baigozhina Zaure Alpanovna
Academic expert	Ramazanova Sholpan Khamzaevna
Academic expert	Yeralieva Bibikhan Abdalievna
Academic expert	Isposunova Gulnara Akhmetkazyevna
Academic expert	Doshakanova Asel Bidauletovna
Academic expert	Dosanova Asem Kalelovna
Representative of employers	Daniyarova Bayan Lashinovna
Representative of doctoral students	Orazbay Aknur Daurenkyzy
Representative of doctoral students	Kurak Aidan

6. Рекомендация Аккредитационному совету ЕЦА

Члены ВЭК пришли к единогласному мнению рекомендовать Аккредитационному совету аккредитовать образовательную программу **8D10140 «Фармация» НАО «Медицинский университет Караганды»**, соответствующую Стандартам аккредитации образовательных программ PhD докторантуры медицинских организации образования на период 5 лет.

Председатель Внешней экспертной комиссии
КУДАБАЕВА ХАТИМЯ ИЛЬЯСОВНА

Зарубежный эксперт
РЫЖКИН СЕРГЕЙ АЛЕКСАНДРОВИЧ

Зарубежный эксперт
АФРИКЯН ШУШАНИК ГЕВОРКОВНА

Национальный академический эксперт
УРАЗОВА САЛТАНАТ НУРГОЖАЕВНА

Национальный академический эксперт
ШАБДАРБАЕВА ДАРИЯ МУРАТОВНА

Национальный академический эксперт
РАМАЗАНОВА РАЙГУЛЬ МУХАНБЕТОВНА

Национальный академический эксперт
ЖУМАЛИНА АКМАРАЛ КАНАШЕВНА

Национальный академический эксперт
ТУЛЕУТАЕВА РАЙХАН ЕСЕНЖАНОВНА

Национальный академический эксперт
БАЙГОЖИНА ЗАУРЕ АЛПАНОВНА

Национальный академический эксперт
РАМАЗАНОВА ШОЛПАН ХАМЗАЕВНА

Национальный академический эксперт
ЕРАЛИЕВА БИБИХАН АБДАЛИЕВНА

Национальный академический эксперт
ИСПОСУНОВА ГУЛЬНАРА АХМЕТКАЗЫЕВНА

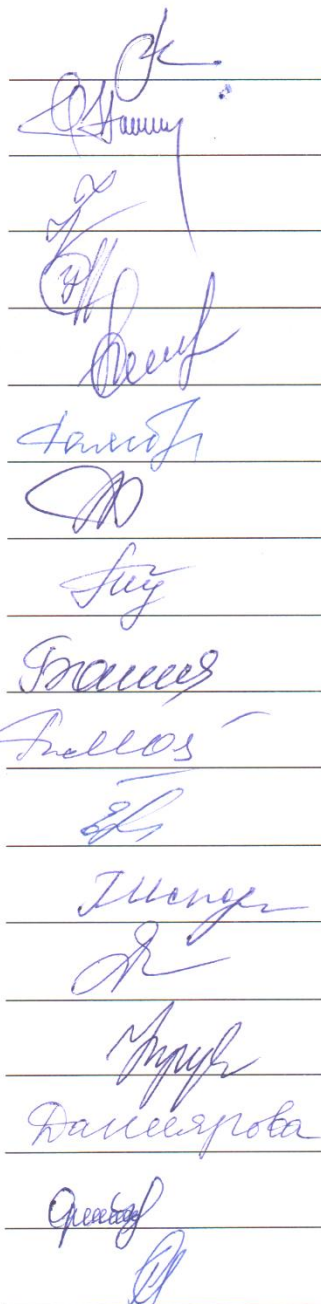
Национальный академический эксперт
ДОШАКАНОВА АСЕЛЬ БАЙДАУЛЕТОВНА

Национальный академический эксперт
ДОСАНОВА АСЕМ КАЛЕЛОВНА

Эксперт- представитель практического здравоохранения
ДАНИЯРОВА БАЯН ЛАШИНОВНА

Эксперт – представитель докторантов
ОРАЗБАЙ АҚНҰР ДӘУРЕНҚЫЗЫ

Эксперт – представитель резидентов
ҚҰРАҚ АЙДАНА ЖАНАЙДАРОВНА



**Quality profile and criteria for external evaluation of the educational program
PhD doctoral studies 8D10140 "Pharmacy" (general data)**

Standard	Assessment criteria	Number of standards	Assessment		
			Correspond in full	Correspond partly	Doesn't correspond
1.	SCIENTIFIC AND RESEARCH PROJECT	6	5	1	
2.	FINAL RESULTS	3	5		
3.	ADMISSION POLICY AND CRITERIA	6	6		
4.	PhD DOCTORAL PROGRAM	10	10		
5.	SCIENTIFIC GUIDANCE	11	10	1	
6.	PhD THESIS	9	8	1	
7.	ASSESSMENT	7	7		
8.	ORGANIZATION STRUCTURE	9	7	2	
	Total:	63	58	5	
			63		

List of documents studied by the members of the EEC as part of the external evaluation of the educational program

No.	Names of documents	Quantity	Date of approval
1.	Organizational structure and management structure of the organization	1	03.10.2022
2.	Mission of the University	1	22.10.2019
3.	The development program of the Research University for 2019-2023.		27.06.2019
4.	Operational plan of KMU NJSC	1	Not specified
5.	Academic policy of KMU NJSC	1	27.08.2021
6.	Charter of the League of Academic Integrity;		28.08.2018
7.	Doctorate EO - Pharmacy	1	25.05.2021.
8.	Regulations on doctoral studies	1	26.08.2019.
9.	Regulations on the Local Bioethics Commission		27.07.2022
10.	Contract for joint consulting of doctoral students	2	30.10.2020
11.	Extract from the minutes of the Extended Cathedral Meeting	1	29.10.2021
12.	Protocol of the School of Pharmacy	1	28.11.2022
13.	Individual work plan of a doctoral student	1	21.08.2020
14.	Self-assessment report of the PhD Pharmacy (Rus, kaz, English)	3	16.09.2022
15.	Material and technical base for the implementation of the accredited educational program (to Standard 1.2)	1	16.09.2022
16.	Brief description of the information resources available to the departments and PhD doctoral students of the educational program "8D10140 "Pharmacy"" (to Standard 1.2)	1	16.09.2022
17.	Library (to Standard 1.2)	1	16.09.2022
18.	Characteristics of clinical bases, organizations of doctoral students' training (to Standard 1.2)	1	16.09.2022
19.	List of foreign organizations that have concluded an agreement on joint training of PhD doctoral students (to Standard 1.4)	1	16.09.2022
20.	Expected competencies of PhD doctoral students (to Standard 2.1)	1	16.09.2022
21.	The contingent of PhD doctoral students in the educational program "Pharmacy" (to Standard 3.2)	1	16.09.2022
22.	Characteristics of doctoral students (to Standard 3.3)	1	16.09.2022
23.	Information about the disciplines of the doctoral program 8D10140 "Pharmacy" (to Standard 4.5)	1	16.09.2022
24.	Syllabuses	9	16.09.2022
25.	Information about the participation of doctoral students in scientific events (to Standard 2.4)	1	16.09.2022

26.	Information about teachers of profile departments who have been trained in professional skills (to Standard 5.5)	1	16.09.2022
27.	Indicators of research activity (to Standard 5.4)	1	16.09.2022
28.	Information about the employment of PhD doctoral graduates (to Standard 5.7)	1	16.09.2022
29.	List of external financing of research work (to Standard 8.1)	1	16.09.2022

ECAQA