Review of the scientific consultant on the doctoral student Amantayeva Meruyert, who completed her dissertation «Pharmacognostic study of Eryngium karatavicum Iljin and development of a phytosubstance based on it» submitted for a doctorate degree in the specialty «6D110300-Pharmacy».

In 2018, Amantayeva Meruyert entered the doctoral program in the specialty "Pharmacy" at the Asfendiyarov Kazakh National Medical University. This topic of Amantaeva's dissertation is relevant as the study of medicinal plants of the National flora for the production of medicines, it is a priority for any state. The *Eryngium karatavicum* Iljin it is a poorly studied endemic plant of the Republic of Kazakhstan.

During the writing of dissertation, a large amount of work was carried out on planning, analyzing and reviewing literature on the problem of substantiating the theoretical methodological basis of research, collecting processing and generalizing empirical material, and statistical processing of the results obtained.

Amantayeva prepared 9 works in scientific and practical journals, including those recommended by the Committee for Control in the Field of Education and Science. The publications reflect all the main scientific provisions of the study, one the article was published in a journal licensed between international databases Scopus and Web of Science.

The experimental part of Amantayeva's dissertation research was performed at the Asfendiyarov Kazakh National Medical University, the Center for Medicinal Plant Research and the Center for Physico-Chemical Methods of Research and Analysis of the Al-Farabi Kazakh National University.

This doctoral student studied the pharmacognostic and technological properties of the aboveground part of *Eryngium karatavicum* Iljin and the extract obtained on its basis.

The quality indicators of plant raw materials and the resulting extract have been experimentally established, and its stability has been investigated. During the period of performance of the work, it has proven itself only on the positive side. She is disciplined, hardworking, sociable, has proved herself to be a well-established specialist in the field of theory and methodology of vocational education. The review is given in order to submit documents to the dissertation council for the defense of the dissertation. In connection with the above, I believe that the dissertation work of Amantayeva Meruert is an original completed scientific research and is a scientific work that, according to its goals, objectives, scope, research methods, scientific novelty and practical significance, meets the requirements for dissertations for the degree of Doctor of Philosophy (Phd) in the specialty Pharmacy.

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KEROWNK

Katedry i Zakładu Farnacji Szołowanej i Społecznej

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