

DEFINING OPTIONS OF STANDARDIZATION LINGONBERRY LEAVES ACCORDANCE WITH THE METHODS AND REQUIREMENTS OF THE STATE PHARMACOPOEIA OF UKRAINE

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Introduction: kidney and urinary tract diseases occupy a leading place in the structure of diseases. Every third person in the world is prone to diseases of the genitourinary system. In Ukraine 10% of the population have signs of chronic diseases of the genitourinary system. Decoction of leaves lingonberry for the treatment of these diseases in traditional medicine. As Ukraine is committed to the European integration, the old documentation for raw materials should be harmonized with the European Pharmacopoeia. As there isn't a monograph on the leaves lingonberry in the SPU, so development national monograph on this raw material is the actual task.

Purpose: The purpose of research is to determine the parameters of standardization of lingonberry leaves in accordance with the methods and requirements of the State Pharmacopoeia of Ukraine and carry out standardization of this raw materials

Materials and Methods: Lingonberry leaves purchased from a pharmacy is the object of the study, which is analyzed by SP XI requirements and the proposed project SPU monograph, which was developed on the basis of SPU monograph "bearberry leaves". Analyzing the leaves we used standardized techniques and unified technique of SPU.

Results and discussion: To determine the parameters of standardization lingonberry leaves we used monograph of SPU "bearberry leaves", which is the traditional substitute this raw material.

Standardization of leaves lingonberry is asked to carry out the description, macro- and microscopic characteristics, identification by TLC, to control the content of impurities, stems (up 5%) and other impurities (up 3%), leaves of others as color (up 10%); loss in weight on drying (up 10%), common ash (less than 5%); content of derivative of hydroquinone (not less than 3%).

Analyzed three sets of lingonberry leaves that were purchased at a pharmacy. All samples were answered proposed parameters.

Conclusions: The proposed parameters of standardization will be form for the basis of national monograph SPU "lingonberry leaves."