DETERMINATION OF QUALITY INDICATORS IN RAW MATERIALS *HYLOCEREUS COSTARICENSIS*

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Introduction. Recently, exotic fruits are gaining popularity due to their unusual appearance and exquisite taste. Some tropical fruits are already firmly in our daily diet. And most of the unusual for us fruits are little known and chemically studied insufficiently or not studied at all. Such fruits are of interest to scientists because of the prospects of studying their chemical composition and research in search of new sources of biologically active sources. One such fruit is *Hylocereus costaricensis* (F.A.C.Weber) Britt. & Rose [1, 2].

All types of pitaya contain carbohydrates, proteins, fats, vitamins, macro-and micronutrients. They have a diverse effect on the human body, improve the cardiovascular and endocrine systems, gastrointestinal tract. Fruits help remove toxins and toxic components from the human body [1, 2].

In folk medicine, the fruits of *Hylocereus costaricensis* are used as antioxidants, anthelmintics, anti-inflammatory and sedatives [1, 2].

The aim of our work was the phytochemical study of the flesh of *Hylocereus costaricensis*.

Materials and methods. We selected *Hylocereus costaricensis* pulp for research. Determination of quality indicators (weight loss during drying and total ash) was performed by gravimetric method according to known methods listed in the State Pharmacopoeia of Ukraine (SPU). The obtained results were statistically processed according to the requirements of the SPU [1].

Results and their discussion. As a result of the research, the quality indicators in the pulp of *Hylocereus costaricensis* were determined. As a result, the loss in mass during drying is - 10.34 ± 0.56%, the total ash content - 3.53 ± 0.05%.

The obtained results are one of the stages of complex phytochemical study of raw materials *Hylocereus costaricensis*.

References:

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