

DEVELOPMENT OF A COMPOUNDED COSMETIC FOR SKIN XEROSIS TREATMENT BASED UPON APICULTURAL PRODUCTS

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Xerosis (skin dryness) is a permanent symptom of various dermatologic diseases, such as: atopic dermatitis, psoriasis, eczema and others. The problem of skin xerosis is growing from year to year, this stems from the environmental conditions and the incidence of dermatologic diseases.

Nowadays a shortage of compounded cosmetics, that is dedicated to skin xerosis correction, is observed in Ukraine. Thorough examination of problematics and consideration of patients individual traits serve as fundamental principles for the creation of a cosmetic «ex tempore».

The search of active ingredients was focused on those substances, that restore barrier functions of the horny layer and reduce moisture loss.

Powdered honey, one of the most prospective ingredients in cosmetics, that has the unique formula, moistens and nourishes skin, was proposed to be used to achieve these results. Allantoin, that has wound-healing, keratolytic and moisturizing features, that facilitate regeneration, was included to the cosmetic composition to achieve the maximum effect.

The cosmetic forms analysis revealed that the use of such cosmetic form as cosmetic cream is the most efficient for skin xerosis correction. As a result there was created an emulsion type cream of oil/water type, in which powdered honey and allantoin were used as active ingredients. There was performed an analysis on the basis of DSTU (National Standards of Ukraine) 4765:2007 “Cosmetic creams” and there also were developed quantitative analysis methods and qualitative analysis methods for active ingredients.

Taking into consideration the examined regulatory documents, the production technology and the performed analysis, we worked out a standard operating procedure for compounded cream production under the druggists conditions.

The production of powdered honey offers a wide challenge in cosmetic science, as the composition of the received substance fully conforms to natural honey.