

manufacturer, the form of release, the characteristics of the formulation and pharmacy sales, have been established. The research carried out makes it possible to establish the specifics of the unification of domestic and foreign products of this direction of action.

DEVELOPMENT OF VEGETABLE ANTIANEMIC SYRUP COMPOSITION FOR USE IN PEDIATRICS

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Introduction. According to the World Health Organization, anemia is found in 24.8% of the world's population. About 47% of preschool children suffer from anemia, school age - 25% worldwide. In the list of pediatric medicinal products available on the pharmaceutical market, there are virtually no products that affect the hematopoietic system; most of them are generics, and there is a lack of modern highly effective drugs used abroad. It is known that the reactions of a child's body to medication are significantly different from the ones of an adult. In this regard, the problem of creating medicines for children is one of the most pressing and complex. In recent years, much attention has been paid to the production and use in both folk and traditional medicine of herbal medicines.

The aim of the work was a theoretical substantiation and experimental development of the rational composition and technology of a pediatric medicinal product of antianemic action in the form of a syrup containing extracts of medicinal plants - pomegranate (*Punicagranatum*) and red beet (*Beta vulgaris*).

Materials and methods. The following research methods were used to perform the work: information-analytical (analysis of the range of antianemic drugs in the pharmaceutical market of Ukraine), organoleptic (color, transparency, odor, homogeneity of experimental samples); physical and physico-mechanical (study of the density and dynamic viscosity of the syrup, determination of pH value).

Results and discussion. Syrups are the most convenient oral dosage form in pediatric practice. The use of extracts of pomegranate and red beet due as the active substances of the developed syrup was proposed due to the presence of the following biologically active substances in their composition: vitamins C, K, E, B₆, B₉, B₁₂; polyunsaturated fatty acids, amino acids, minerals, represented by calcium, phosphorus, potassium, magnesium, iron, sodium, manganese, iodine and others. Traditional syrups used in pediatrics are concentrated sugar solutions to which appropriate drugs and excipients are added, but sucrose in syrups has significant limitations due to undesirable use by certain categories of patients (diabetes, obesity, pediatrics). Therefore, research on the development of the antianemic syrup was conducted in the direction of reducing the amount of sugar in its composition by studying the possibility of using other thickeners.

Conclusions. Justification of the choice of excipients in the antianemic action syrup with plant extracts will improve the consumer properties of the drug.