120 items, dry items are 47 items (39.5%), thick items are 28 items (23%) and liquid items are 45 items, which is 37.5%.

Manufacturers of extracts in various physical states are engaged in producers: Limited Liability Company "Pharmaceutical Company" Health ", LLC" Ternopharm", JSC "Farmak", and etc. Among foreign producers of extracts are engaged in - CHANGSHA HUAKANG BIOTECHNOLOGY DEVELOPMENT CO., LTD., China, Fitopharm Klenka SA.

Conclusions. Thus, we can conclude that the Ukrainian market has a sufficient number of extracts of different pharmacological action. If we analyze the producers, today it is dominated by domestic producers. If we take into account the percentage, the largest share among Ukrainian producers is occupied by the company "Research and Production Center" Borshchahiv Chemical-Pharmaceutical Plant"and PJSC" Halychpharm.

JUSTIFICATION OF THE DEGREE OF GRINDING OF RAW MATERIALS OF HOMEOPATHIC MATRIX TINCTURE "CAPSICUM ANNUUM"

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Introduction. According to the Law of Ukraine "On Medicines", homeopathic medicines have the status of medicines and are included in the Register as a separate pharmacotherapeutic group. Traditionally, most of them are produced in specialized pharmacies in the form of extemporal dosage forms. In addition, a number of domestic manufacturers produce a wide range of homeopathic medicines. In Ukraine, the production of homeopathic medicines is carried out according to the State Pharmacopoeia of Ukraine (1 type, add. 1 and add. 3), which contains only general articles. Due to the absence of monographs on individual homeopathic medicines in the State Pharmaceutical University, it is also temporarily allowed to use the guidance of Dr. Wilmar Schwabe and the German Homeopathic and State Pharmacopoeia of Ukraine.

Aim. To study the effect of the degree of grinding of medicinal raw materials on the efficiency of the release of biologically active substances.

Materials and methods. In accordance with the guidance of Dr. V. Shvabe, which is traditionally used in Ukraine in the production of homeopathic preparations, and homeopathic drugs, dried fruits with seeds are used for the manufacture of homeopathic preparations from the medicinal plant Capsicum annuum.

Results and discussion. The homeopathic matrix tincture "Capsicum annuum" was made according to the method 4a of the third addition of the State Pharmacopoeia of Ukraine by the maceration method in the ratio (1:10).

According to State Pharmacopoeia of Ukraine, unless otherwise indicated, fruits and seeds are crushed to a particle size of up to 0.5 mm. But for each type of plant material, the optimal degree of grinding must be established, which will ensure the completeness and rate of extraction of active substances.

In order to substantiate the degree of grinding of raw materials, we made 3 samples of homeopathic matrix tincture "Capsicum annuum" with different particle sizes:

Sample 1 – green seed particle size 0.5 mm.

Sample 2 – particle size of green seeds 5.0 mm.

Sample 3 – unmilled green seeds (~ 1.0 cm).

First, we investigated the organoleptic and physicochemical properties of homeopathic matrix tincture "Capsicum annuum" according to the methods of the State Pharmacopoeia of Ukraine (Table 1).

Table I	
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Indicators	Sample 1	Sample 2	Sample 3
Color	yellow-red		
Smell	specific		
Taste	baking, spicy		
Transparency	transparent		
Ethanol content,%	88,91+1,45	88,85+1,38	88,93+1,42
Relative density, p rel.	0,905+0,002	0,904+0,003	0,904+0,002
Dry residue,%	1,51+0,01	1,49+0,02	1,46+0,01

Physicochemical indicators of samples of homeopathic matrix tincture «Capsicum annuum»

Note: n = 3; P=95%

According to the results of the study, it was found that all samples of homeopathic matrix tincture "Capsicum annuum" are yellow liquid with a specific odor and bitter taste. The ethanol content in them is in the range of 87 - 91%, the relative density and the content of extractives correspond to the norms of indicators given in the German Homeopathic Pharmacopoeia and the manual of V. Schwabe and do not differ significantly. That is, the degree of grinding of raw materials does not have a large effect on the yield of extractives.

Conclusions. According to the results of the research, the presence of alkaloids in all samples of homeopathic matrix tincture "Capsicum annuum" was established, due to the formation of characteristic products of a chemical reaction. It should be noted that the color intensity in samples 1 and 2 was higher than in sample 3.

URGENCY OF DEVELOPMENT OF A NEW EXTEMPORAL DRUG WITH MELOXICAM

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Introduction. Rheumatoid arthritis (rheumatoid arthritis, arthritis rheumatoides) is a common inflammatory disease of the joints of autoimmune origin in which the body's immune defenses are directed against its tissues. Every year the number of people who are diagnosed with this disease increases. Rheumatoid arthritis is not a hereditary disease, and susceptibility to it is inherited poorly. Harmful effects of tobacco, alcohol, stress, joint injuries and infections increase the risk of developing the disease. In 2019 alone, according to the Center for Medical Statistics of the Ministry of Health of Ukraine, 19,152 people with this diagnosis were discharged from the hospital. Therapy is comprehensive, but the main drugs to relieve pain are nonsteroidal anti-inflammatory drugs.

Aim. Prove the need to develop a new extemporaneous drug with meloxicam in the form of a gel for the local treatment of rheumatoid arthritis.

Material and methods. Within the framework of the conducted work the materials of articles from scientific journals, irregular editions, and also educational literature were used. The