

indicators are F2. Taking into account the research indicators, we have perfected and developed the final composition of effervescent tablets (F5). Based on previous studies, we determined the weight of one tablet and changed the amount of substance that is included in the pills.

The composition is (substances mass of one tablet, g):

Paracetamol 0.18

Acetylsalicylic acid 0.24

Caffeine 0.03

Citric acid is 0.748

Sodium hydrogen carbonate 0.98

Fumaric acid 0,067

Total: 2.245

The composition of the substances has good indicators of fluidity and bulk density after shrinkage, these are important indicators for the technology of tablet production.

After studying of technological parameters of F5, we form the tablets by the method of wet granulation. The humidifier is 1% ethyl alcohol. The formed tablets were tested for friability and strength. In the friability study, effervescent tablets lost only 0.59% of the weight of tablets, which is a good indicator because the tablets will suffer minimal loss when they would be packaged and transported.

After examining the resistance to crushing of tablets, they showed a good result, an indicator of 125 N, which means that the tablets are strong enough.

We also conducted research into disintegration, effervescent tablets dissolved in 1 min 25 sec. This indicator corresponds to the standards of the state control system.

**Conclusions.** Thus, based on our research, we have selected and substantiated the optimal composition of auxiliary substances, developed the technology of effervescent tablets in combination with acetylsalicylic acid, paracetamol and caffeine by wet granulation method.

## THE PROSPECTS OF THE USE OF HOMEOPATHIC MEDICINES SACTUS WITH MENTAL DISORDERS

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**Entry.** Due to the increased number of various chronic diseases, including mental disorders who need long-term therapy, in the last decade around the world there is a constant growth in public demand for effective and safe drugs of natural origin, including homeopathic medicines.

Use Cactus velikokvitkovogo (Sactus grandifloris) as the active component when creating a new ekstemporalnogo homeopathic medication for prevention and treatment of mental disorders, depressive and emotionally fragile States topical issues of modern pharmaceutical science.

**The aim of the** this work is the development of technology of homeopathic medicines based on Cactus velikokvitkovogo (Sactus grandifloris) in conditions of pharmacies and study the possibilities of their use in the above mentioned properties.

**Materials and methods.** Detailed analysis of contemporary literary sources, the results of their research to determine the prevalence of the use of the homeopathic medicinal preparations based on Cactus velikokvitkovogo in the global pharmaceutical market.

**Results and their discussion.** Cactus grandiflorum (Sactus grandifloris) are popularly referred to as "the Queen of the night", as the LILACS bloom only once a year for a few hours. The flowers of plants differ from the original colors.

For the first time the plant as a therapeutic agent used an Italian doctor of Roubini. The famous doctor in France that can been cured thus hypertension and atherosclerosis.

In homeopathic practice *Sactus grandifloris* is used in the form of various rozveden, as well as the complex preparations that are assigned at the weakness of the heart muscle, neurosis, pathologies of heart, angina and other diseases.

Data in the literature indicate that the plant has the influence on the human organism at the time of displacement, skoročenâ, blood surges to specific areas of the body. The plants manufactured homeopathic tincture of the matrix, which is a raw material for manufacturing of various medicinal forms of homeopathic drugs, for example, "Kardised".

We analyzed the prevalence of the use of homeopathic medicines based on *Cactus velikokvitkovogo* in different countries of the world (fig. 1).

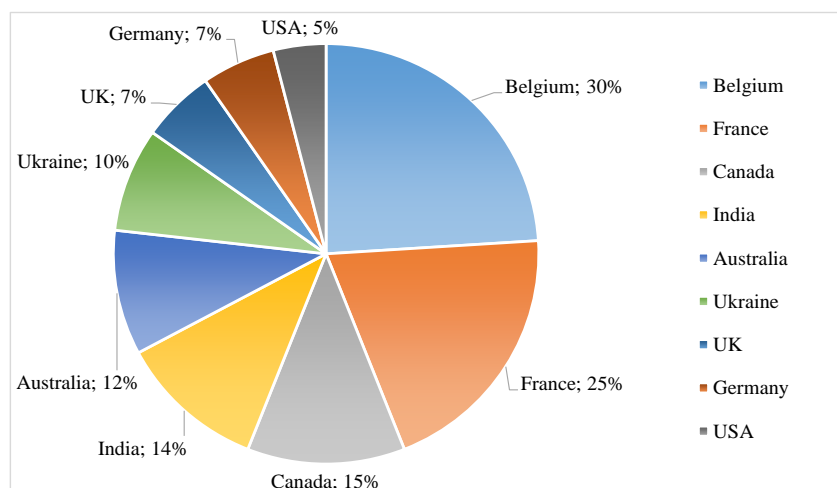


Fig. 1. Use homeopathic remedies on the basis of a *cactus velikokvitkovogo* in different countries of the world.

These figure show a fairly active use homeopathic remedies on the basis of a *cactus velikokvitkovogo* in Western European countries like Belgium and France.

So the more detail we analyzed therapeutic orientation actions of drugs of this group. The doctors-homeopaths do recommend to use homeopathic products with *Cactus velikokvitkovogo* for getting rid of diseases such as:

1. digestive disorders;
2. the pathology of the functions of the heart and circulatory system;
3. hyper- and hypotension;
4. rheumatism of the joints.

There are data on the use of homeopathic remedies on the basis of a *cactus velikokvitkovogo* when depressive state full of madness, suïcïdálnomu, heavy nevrozï that destroy the personality of the patient and make the impossible life his family. Depending on the severity of the listed diseases using low and high breeding *Sactus*, which contributes to the improvement of the condition of the patient.

Thus the treatment of neurosis, depression used *Sactus* X 3-X 6. Terms of use of drugs are defined as gomeopatom.

**Conclusions.** Given the active use of homeopathic drugs based on *Cactus velikokvitkovogo* in most countries of Western Europe in various diseases, as well as the ability of the State to promote the drugs improve *Sactus* patients with emotional and mental disorder without displays of side effects compared with alopaticnimi agents, development of technology of the mentioned drugs is relevant.