**STUDY OF CAPSULES COMPOSITION WITH ELEUTHEROCOCCUS EXTRACT AND GREEN TEA EXTRACT**

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**Introduction.** Today the demands of people on nature products to pursue healthy aging are rising. Herbal medicines are considered safer or more harmless than synthetic ones. More herbal medicines have been used for the prevention and treatment of various chronic human diseases and malaises. The medicinal plants are attracting more attention due to their reduced or absence of side effects.

Preparations from Eleutherococcus senticosus may be used as a tonic for the relief of symptoms in case of decreased performance such as sensation of weakness and fatigue, loss of concentration and tiredness, and as adaptogen to increase body resistance to stressful exposures.

Green tea extract has neuroprotective and antioxidant effect.

The extracts combination in convenient oral dosage form as capsules can provide increase of capacity for work, reduction of nervous and physical exhaustion, diminution of chronic stress. The medicine on the basis of eleutherococcus extract and green tea extract is also may be recommended for patients who live in regions with unfavorable environment.

**Aim.** The purpose of our research work was the choice of auxiliary ingredients for the development of capsules composition with eleutherococcus and green tea extract and pharmacotechnological properties study of samples of different mixtures with extracts and other ingredients.

**Materials and methods.** The pharmacotechnological tests were used for mixtures according State pharmacopoeia of Ukraine.

**Results and discussion.** The moisture content of masses for encapsulation was 3.15-3.5 %w/w. The results of pharmacotechnological researches have shown that extracts with poor flowability have large bulk volume. The addition of aerosil and its mixture with magnesium stearate in the amount of 1-3% increased flowability of the extracts mixture. Extracts bulk density increased due to the glidant properties of aerosil. Also the addition of magnesium stearate allowed avoiding of dry extracts adhesion to capsule filling machine working parts during encapsulation process. Size of capsule was “0”. Results have shown that average weight of capsule was 205 mg and capsule passed the test for uniformity of weight.

**Conclusions.** The main auxiliary ingredients for the capsules composition with eleutherococcus and green tea extract were aerosil and magnesium stearate from the antifriction group of capsules auxiliary agents.