

УДК 615.453.4

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## **HPMC-КАПСУЛИ VCAPSPLUS – КАПСУЛИ НОВОГО ПОКОЛІННЯ**

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### **HPMC- OF CAPSULE OF VCAPSPLUS ARE CAPSULES OF NEW GENERATION**

Capsule is a hard medical form with a soft or hard shell that contains one dose one or more operating substances. First reports about capsules as medical form educed in Papyrus of Ebers approximately 1500 dated to a. d.

Judging on the amount of foods that exist at the pharmaceutical market, pills got far greater distribution, than capsules. But capsules are more universal form of delivery of medicinal facilities and bio additions. Nobody expected that capsules would become a medical form advantage will be given that. However here " the amount of capsules at the market grows on 4-5, in that time as middle the volume of pharmaceutical foods generally speaking increases on 3-4%.HPMC- of capsule are capsules that consist only of two components : hydroxypropylmethylcellulose(a product of unanimal origin is with high microbiological and chemical stability) and water. These capsules of phytogenous are confessed in the whole world; in Europe they are approved for the use with organic components. Aim and task. To define efficiency of HPMC- of capsules of the second generation of company Capsugel, under the trade name of VcapsPlus.

**Object and article of research.** HPMC- of capsule of the second generation of VcapsPlus. Research materials . Research material was an analysis of long-term researches directly of company-producer Capsugel and independent researches conducted Ku of et al.

**Scientific novelty and practical value of the got results .** Development of science about polymers opened new era in area of functional development; became possible to choose corresponding capsules for different active pharmaceutical ingredients(АФІ). Capsules of VcapsPlus from hydroxypropylmethylcellulose (HPMC), is an unique and valuable decision due to an ambulance and predictable to solubility in environments with the different levels of pH, and also to absence of co-operating with cations and other food components. In these terms they behave as gelatinous capsules. It a decision is also related to additional advantages. In particular, capsules differ in more subzero content of moisture that does them suitable for application in some productive processes, including filling with hygroscopic and sensible to moisture medicinal facilities. Capsules from HPMC are inert and proof to chemical cooperation, and also to the extreme terms of storage. They demonstrate excellent mechanical properties, that does them suitable for a production. In addition, they are made from proceeded in the connections of phytogenous, approved by an international regulator an association. The capsules of VcapsPlus after the original appearance and descriptions are analogical gelatinous; thus they give new important for the scientific world possibilities

**Conclusion.** The capsules of VcapsPlus own all advantages of capsules of phytogenous of Vcaps of 1th generation; thus they differ in attractive brilliance and bright color of coverage. The brilliant surface of these capsules testifies that them it easily to swallow. They dissolve, as gelatinous capsules, providing the rapid freeing. The capsules of VcapsPlus consist only of two components: hydroxypropylmethylcellulose (HPMC) of phytogenous and water. These high quality capsules of phytogenous are confessed in the whole world; in Europe they are approved for the use with organic components. The capsules of VcapsPlus have certificates of kosher and vegetarian.