

## FEATURES OF FOR MEN SHAMPOO COMPONENTS CHOICE

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**Introduction.** Despite the large number of shampoos of various directions in the Ukrainian market, should be noted the absence of such products for men.

**The aim** of our work was the development of a shampoo for men on the basis of a modern detergents combination with a complex of components with anti-dandruff and fungicidal action.

**Materials and methods.** Detergents of anionic and nonionic character, pH and viscosity regulators, etc. Determination of pH level (potentiometrically) determination of foaming properties using a Ross-Miles device.

**Results of the study.** Using modern scientific literature, we have chosen as the main component of the foaming system an anionic surfactant SLES 70% («Sodium Lauryl Ether Sulphate»), possessing the best cleansing properties. In order to impart the foaming agent necessary consumer form, we have introduced a non-ionic surfactant-cocoglucoside-glyceryl oleate («Lamesoft PO 65», «BASF (ex-Cognis)», Germany), which is a viscosity regulator, and also gelling agent «Hydroxy-propyl Methycellulose» («Methocel 400», «Dow», Германия) that helps to thicken the system, and strengthens the foaming ability.

As active substances, with pronounced antibacterial, and antifungal action, we have chosen:

- «JM Anti Care» – a complex, which has a wide spectrum of antimicrobial action, combinable with a large number of components. It is active against a number of gram-positive and gram-negative bacteria, fungi, mold.
- «Octopirox» – a highly effective fungicide and anti-dandruff component, has a wide spectrum of activity not only against fungi and yeast, but also against a number of gram-positive and gram-negative bacteria.

In the course of the work done, we had found that the shampoo developed by us has the following indicators:

- pH (5.5-6.5);
- foam stability 170.8 cu.
- foam value 0.87 mm.

**Conclusion.** Thus, the developed shampoo meets the requirements of DSTU 4315: 2004. Now, the stability of the developed agent on the above indicators is studied.