

TECHNOLOGY OF BREAD WITH THE USE OF VOLATILE ONION AND ITS MICROBIOLOGICAL RESISTANCE DURING STORAGE

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At the present time there is a problem of creation of functional bakery products of therapeutic and preventive actions. One of the ways of creation of such products is the introduction of a recipe of products, ecologically safe, non-traditional raw material resources of vegetation origin. In the developed technology of the component is garlic. Garlic is rich in minerals and vitamins, as well as contains the substance depressing acting on the micro-flora of the product. The recipe also introduced milk whey, dry gluten and malt, which in turn improve the quality of the products. Introduction to the compounding of a functional component – garlic has allowed to improve organoleptic and physical-chemical indicators of the quality of the finished product, but also to improve the nutritional value and functional properties. In addition, to some extent managed to increase the storage life of finished products.

СТАНДАРТИЗАЦИЯ ПРОПОЛИСА НАСТОЙКИ

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Обсуждаются результаты исследования стандартизации серийных образцов лекарственного средства «Прополиса настойка» российских производителей методом спектрофотометрии и разработка на этой основе методик определения подлинности с использованием прямой и дифференциальной спектроскопии после добавления 3 % спиртового раствора $AlCl_3$ и количественного определения биологически активных соединений в препарате. Разработаны методики определения подлинности и количественного определения суммы флавоноидов и фенилпропаноидов в препарате «Прополиса настойка» методом спектрофотометрии с использованием государственного стандартного образца (ГСО) пиностробина. При помощи разработанной методики определено количественное содержание суммы флавоноидов и фенилпропаноидов в заводских серийных образцах «Прополиса настойка». Содержание суммы флавоноидов и фенилпропаноидов в препарате в пересчете на пиностробин колебалось от 1,4 до 2,1 % и во всех образцах составляет более 1,0 %. Приведены метрологические характеристики разработанной методики. Разработанные методики включены в проект фармакопейной статьи «Прополиса настойка».

STANDARDIZATION OF THE TINCTURE OF PROPOLIS

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We discussed the results of the study of standardization of samples of the drug «Propolis tincture» (tincture of Bee glue) which are manufactured in Russia, by using of spectrophotometry. On this basis there were developed methodics for determining the authenticity with methods spectroscopy and differential spectroscopy after the addition of 3 % alcohol solution of $AlCl_3$ and the quantitative determination of biologically active compounds with by using of spectrophotometry in the tincture of propolis. The spectrophotometric methodics of the determining the identity in the tincture of propolis and of the quantitative estimation of the total flavonoids and phenylpropanoids in the tincture of propolis with using of state standard sample pinostrobin there were developed. The content of the total flavonoids and phenylpropanoids are ranged from 1,4 to 2,1 % (calculated on pinostrobin) and always more than 1,0 % in the tincture of propolis. We calculated the metrological characteristics of the developed technique. The developed techniques incorporated into the design of article pharmacopoeia «Propolis tincture».