

DEVELOPMENT COSMETICS BASED PROPOLIS

Teslenko I.A., Bobro S.G., Tikhonov A.I.

The National University of Pharmacy (Kharkov, Ukraine)

bohdankudryk@gmail.com

Propolis (bee glue) - this sticky substance that bees collect from tree buds of spring (poplar, alder, birch) and modify their enzymes. Propolis is a resinous residue from the first stage digestion bee pollen. Propolis is burning-bitter taste, has dark brown or yellow. Initially quite soft, but the storage thickens and hardens gradually, becoming brittle mass, like a dark rosin. Propolis is melted at a temperature of 80-104°C, when cooled below 15°C easily crumbled. Soluble in hot alcohol - methyl and ethyl (>70 %), gasoline. Partially soluble in liquid ammonia and a strong acetic acid, as well as special processing is soluble in water or a vegetable or animal oils.

Beekeepers collect propolis special bars or just scraped it with frames and walls. With each hive in the season 50-150 g of propolis collected. Some beekeepers melted propolis collected in a water bath, separating from mechanical impurities, while it is almost completely retains its properties.

Propolis contains almost all trace elements necessary for the person who magnesium, potassium, sodium, iron , zinc, manganese, cobalt, phosphorus, sulfur, aluminum, chromium, selenium, silicon, strontium, titanium, vanadium, zinc, tin, and copper fluoride. Of the minerals essential to man in much greater quantities in propolis is present primarily calcium. Various vitamins also found in propolis, among them especially vitamins B (B1, B2 , B6), vitamin A, C, E, H and R.

Propolis is used in cosmetics as an antibacterial, antifungal and regenerating agent. Very popular lip balms and lipsticks hygiene based on propolis, care of hair and toothpaste. Lipsticks help from cracking and peeling of the skin drying on the lips, herpes warn, nourish and soften the skin. Mascara based on propolis has anti-inflammatory and disinfectant properties, which is very important for especially sensitive eyes.

Propolis tincture is perfect for those who want to get rid of blackheads. Propolis Cream makes the skin smooth and silky, and massage oil on its basis is an excellent way to combat premature aging of the skin.

Propolis contains a large amount of trace elements and vitamins. Its application allows to enrich the skin with oxygen and also contributes to the process of cell regeneration. Almond oil with propolis is perfect for dry and sensitive skin. Masks of this oil make to turn back time - your skin will be firm and clean.

In dermatology widely used application of propolis in the form of pharmaceutical dosage forms. Their action is effective for burns, frostbite, skin nonhealing ulcers. Successfully used ointments and gels of propolis in the vast deep wounds, chronic eczema, itchy dermatitis, furunculosis, fungal diseases on their feet.