

# APPLICATION OF PARMELEE IN ETHNOSCIENCE AND TRADITIONAL MEDICINE

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**Introduction.** Useful properties of Parmelee have been known for a long time, even in ancient Egypt and medieval Europe. While the biological composition of the lichen has not yet been studied. However in many cases a positive effect of treatment by Parmelee was present.

**Aim** of our work was the study of the domestic pharmaceutical market of drugs and dietary supplements, which based on Parmelee and aspects of its medical use.

**Materials and methods.** Analysis of the assortment of medicines was made by using the methods of marketing research on the basis of materials of the State Register of Medicinal Products of Ukraine.

**Results and its discussion.** The chemical composition of Parmelee is unique. Lichen thallus contains usnic acid, a large amount of vitamin C, tannins, carbohydrates, which similar to fiber in its chemical composition. They provide the raw material swelling in hot water. Evenin and izolikenin, a minor amount of protein, fat and ash, and also potassium, calcium, phosphorus, and pigments were found in composition of polysaccharides. Usnic acid has been allocated. It is a powerful antibiotic with bacteriostatic properties in regard to tuberculosis bacteria.

The plant is widely used in traditional medicine for the treatment of the chronic cough, gastrointestinal disorders, pulmonary tuberculosis, acute colitis, toxic dyspepsia, as immunostimulatory agents. It has a calming effect on the mucous membrane of the respiratory tract. Decoction of Parmelee cleans the pus from the sores and wounds it is a good hemostatic drug.

On the Ukrainian pharmaceutical market "Parmelee herbal tea" presents, which is used as a strong expectorant, anti-inflammatory, anti-microbial agent for colds, bronchitis, tracheitis, laryngitis to liquefy phlegm and facilitates expectoration. Parmelee oral tincture is used in diseases of the respiratory tract and lung diseases (bronchitis, cough of varying intensity, bronchial asthma, tuberculosis), for the treatment of diseases of the gastrointestinal tract (gastritis, ulcers, enterocolitis). Tincture, aqueous extract powder and Parmelee "Mask Parmelee balm" is applies externally in treatment of purulent wounds, cuts, cracks, chafing.

**Conclusions.** Thus, based on the rich chemical composition and polyvalent pharmacological activity and sufficient resources base Parmelee is a valuable source for development of new domestic drugs.