

COMPERATIVE PHARMACOGNOSTICAL ANALYSIS OF THE RAW MATERIALS OF “MAMA” AND “UDAICHANKA” PEPPERMINT VARIETIES

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Introduction. From year to year the demand for remedies of the vegetable origin is constantly growing due to their pronounced therapeutic effect and low toxic effect on the human organism. Some plants which have sufficient raw material base and the possibilities of their cultivation cause our attention. Raw materials of peppermint *Mentha piperita* L. of Lamiaceae group are widely used in Ukraine. The family representatives grow throughout the territory of Ukraine. Wild species of mint can be found alongside the banks of water reservoirs. Swamps, canals, in the fields and dampy meadows. Field mint should be cultivated. Peppermint is a hybrid of *M. aquatic* and *M. spicata*. Many peppermint varieties are known not to be comparatively studied. From peppermint raw materials the tincture, the extract are made which are the organic components of the complex medicine remedies like “Sedasen”, “Sedavit”, “Persen”. Such widely cultivated Ukrainian varieties as “Mama” and “Udaichanka” took our attention.

The Aim of Survey. To conduct comparative pharmacognostical analysis of the peppermint raw materials of “Mama” and “Udaichanka” varieties.

Materials and Methods. The objects of study were the peppermint vegetation of “Mama” and “Udaichanka” varieties. The provisions was made in June – August 2015.

The Results Obtained. The first step of our research was the comparative study of the morphological features of the vegetation of the varieties. It was found that the stems are straight, quadrangular, with thick leaves, many branches. The leaves are opposite, plain, whole, hairy, elongate ovoid with length up to 8 cm and width up to 2.5 cm, with heartlike base, pointed at the top, with well marked venation, dark green top and with a noticeably lighter bottoms, with short cuttings. The distinctive feature are the stem colour, the degree of pubescence. Inflorescence is situated at the top of shoots, the distinctive features are the size of inflorescence and the number of flowers in it.

Conclusions. The findings will be used in further study of the peppermint raw materials of “Mama” and “Udaichanka” varieties.