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וצ^מ והזפותםו קיתופושים מה להפי להפיעות אורועידו למתופעילו לאוריעידו למתופטינו

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ABSTRACTS

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THE STUDY OF BIOACTIVE COMPONENTS OF AERIAL PARTS OF KAZAKHSTAN LOOK ORIGANUM VULGARE

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The genus origanum of the largest in the family Lamiaceae, has long been used in medical practice.

The object of our study is the aboveground part Origanum vulgare. The plant is harvested in the flowering period in 2015 in the Almaty region.

By conventional methods of the State Pharmacopoeia of Kazakhstan and the Pharmacopoeia of the USSR were identified indicators of high quality of raw material: ash (1.69%).

Qualitative and quantitative content of basic groups of biologically active components amino acids (9.24%), polyphenols (3.41%), tannins (17.2%), flavonoids (1.53%), carbohydrates (0.4%), alkaloids (1.67%).

By atomic absorption spectroscopy were determined the mineral composition of the aerial parts of the plant *Origanum vulgare*. According to the quantitative content of micro elements in the form of plant dominates - iron, and of macronutrients - potassium.

The essential oils with steam distillation using a GC-MS method extracted from the aerial parts of *Origanum vulgare*. Fifty compounds were identified. The yield of essential oil of oregano whole herb was 0.9%. Also, were identified 43 volatile component, among which the main components are docosene-1 (69.85%), β -sitosterol (5.26%), nonadecane (2.59%), (1.12%).

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