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THE OPTIMIZATION OF ISOLATION OF ALKALOIDS AND OTHER EXTRACTIVE COMPOUNDS FROM *CONVOLVULUS SUBHIRSUTUS* (CONVOLVULACEAE)

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SUMMARY

The methods of extraction (infusion at room temperature, at 80—85 °C, in Soxhlet's apparatus, ultrasonic and microwave extraction) from aerial part and roots of *Convolvulus subhirsutus* Regel et Schmalh with 80 % ethanol were compared. Only convolvine alkaloid was found in the roots and its mixture with convolamine in 2 : 1 relation was found in aerial part (HPLC). HPTLC revealed that quantitative and qualitative composition of extractive compounds as well as alkaloids depended on the extraction method used. The obtained data substantiated the microwave treatment to be the optimal method of extraction.

Key words: *Convolvulus subhirsutus*, extraction, total content of alcaloids, convolvine, convolamine.