

PHENOLIC COMPOSITION OF THE DRY EXTRACT FROM *SALVIA OFFICINALIS* LEAVES

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The *Salvia* genus includes approximately 600 species, 24 of which can be found on the territory of Ukraine. The officinal raw material in our country is *Salvia officinalis* leaves. The analysis of literature have shown isoprenoids to be the most well-studied group of biologically active compounds, among which acyclic, mono-, bi-, tricyclic mono- and sesquiterpenoids, phenylpropanoids, di- and triterpenes and fatty acids are present. Regarding phenolic compounds, such flavonoids as apigenin and luteolin derivatives were extracted from *S. officinalis*, *S. verbenaca* and *S. glutinosa*. Besides, pharmaceutical industry uses mainly terpene compounds for the medicines production which indicates the one-sided study of these genus representatives. Thus the study of *Salvia officinalis* leaves is advisable for the medicines on its basis.

The object of our study was the dry extract of *Salvia officinalis* leaves (produced by JSC “Liktravy”, Zhytomyr, series 191213). The phenolic biologically active compounds were extracted with 50 % ethanol.

Liquid-liquid partition, paper chromatography (PC) and thin-layer chromatography (TLC) methods were used for the compounds' extraction and identification. As a result, the preliminary chemical study of the dry extract of *Salvia officinalis* leaves have shown the presence of such groups of phenolic compounds as hydroxycinnamic acid derivatives, coumarins, flavonoids and polyphenolic compounds.

The quantitative content of hydroxycinnamic acid derivatives, flavonoids, polyphenolic compounds was determined by the means of spectrophotometric method.

The quantitative content of the sum of polyphenolic compounds was 30,48 %, flavonoids – 10,02 % and hydroxycinnamic acids – 38,20 %.

Thus, the study of phenolic compounds from *Salvia officinalis* leaves have shown the perspective of its usage in new medicines working out and the advisability to control the content of the sum of polyphenolic compounds (not less than 25%) flavonoids (not less than 7%) and hydroxycinnamic acid (not less than 30%) in the the dry extract for its standardization.