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CHEMICAL COMPOSITION OF VOLATILES OBTAINED FROM FRESH ROOT OF *PEUCEDANUM LONGIFOLIUM* WALDST. & KIT.

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For the first time, chemical composition of the essential oil (EO) and head space (HS) volatiles obtained from the fresh root of *P. longifolium* growing on silicate (S), and HS volatiles of the fresh root of P. longifolium growing on calcareous (C) bedrock was determined by GC-FID and GC-MS. α-Pinene was the most abundant compound in all three samples (60.3% EO S, 76.3% HS S and 62.6% HS C). The greatest differences are observed in the content of sabinene (20.9 % EO S, 8.1% HS S and 25.2% HS C). The difference in the prevalence of other constituents in all the investigated samples is less than 2%. *Acta Medica Medianae 2017;56(1):82-85.*

Key words: *Peucedanum longifolium, essential oil composition, head space volatiles, α-pinene, sabinene*