

Ginsenoside Contents in *Panax quinquefolium* Organs from Field Cultivation

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Quantitative composition of saponins (ginsenosides) in *Panax quinquefolium* originating from field cultivation in Poland and harvested at the beginning of the growing season, during the blossoming period and at the end of growth was determined. A colourimetric method gave lower values compared to results of HPLC analysis, but the tendency of change in the content of saponins was similar in both instances. Ginsenoside amounts in *P. quinquefolium* organs changed depending on the specific time during the vegetation season the samples were taken. This study found that the highest content of these metabolites – 66 mg/g d. w. – occurred in the roots of the plant at the time of bloom. Two among the six metabolites examined in our study were dominant independently of the vegetation season. These were Rb₁ and Re, with values of 25.4–33.8 mg/g d. w. and 16.4–19.7 mg/g d. w., respectively.

Key words: Ginsenoside, *Panax*, Field Cultivation