

## **Abstract**

The fruits of elderberry - *Sambuci fructus* are used in the pharmaceutical and food industry. Fruits contain anthocyanins and flavonoids in addition to cyanogenic glycoside sambunigrin, organic acids, vitamins, sugars. Fruits from cultivated varieties are not used in pharmaceutically yet. The content of anthocyanins in the fruits of *Sambucus nigra* L. varieties Alessö, Bohatka, Haschberg, Mammut, Sambo, Sambo, Samdal, Sampo, Samyl, Weihenstephan and wild elderberry was determined by spectrophotometry. The amount of anthocyanins was recalculated for dried fruits and expressed by percentage of cyanidin chloride. Cultivated varieties shown lower values of anthocyanins than wild elderberry excerpt for Samyl variety. Statistically significant differences were found between contents of anthocyanins of varieties.