

ABSTRACT

Name of the work: The content of the anthocyanidines and other pigments in commercial drugs and food supplements

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This thesis is focused on the determination of anthocyanins and anthocyanidins in food supplements, fruits and juices. The substances were extracted with methanol using an ultrasonic bath or boiling water bath. Analysis was performed by HPLC. The results of this work show that the content of anthocyanins and anthocyanidins are in the determined samples represented in varying degrees. All the analysed samples showed the content of these substances. Based on information from the manufacturer we can say that the product Ostrovidky plus contained the declared amount of anthocyanins. Manufacturers of remaining specimens does not provide sufficient information about the composition for unambiguous determination of the result, but we can say that the products approximately satisfy the content of substances declared by the manufacturer. The amount of anthocyanins in the fruit meets the values reported in literature. Juices did not indicate the exact amount of anthocyanins.