

With respect to phytochemical diversity of metabolites with antioxidant capacity present in fruits, their phytochemical profile as well as content is still incompletely researched [1, 2]. In addition, content of individual metabolites varies according to exogenous and endogenous factors [3]. Determination of total antioxidant capacity (TAC) is one of possibilities to express biological and nutritive value of fruits [4-6]. Absence of ideal analytical techniques for TAC determination is still problem; due to fact that antioxidants participate in oxidation-reduction reactions; they are very suitable for electrochemical detection [5, 7, 8]. Submitted work is focused on confirmation and validation of HPLC method with electrochemical detector (ED) for TAC determination of apricots, which could represents suitable technique for comparison of biological values of individual apricot cultivars.