

Abstract

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Determination of Ascorbic Acid Level in Orange Juice using an Open-source Potentiostat & Screen Printed Electrodes

In this research we describe the use of cyclic voltammetry concept in order to determine the level of Ascorbic Acid in orange juice. The proposed method consists of an open-source potentiostat and screen printed electrodes. The Current result from the chemical reaction is proportional to the concentration of the Ascorbic Acid. This method was applied to different commercial samples of orange juice and the results were used to determine which one has the most preservation of Ascorbic Acid.