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THE THERMAL DESCRIPTION FOR ETHANOL AND  
HYDROXYQUINOL DETERMINATION IN WINES AND  
FRUIT JUICES

Volodymyr V. Tkach<sup>1,2</sup>, Marta V. Kushnir<sup>1</sup>, Tetiana V. Morozova<sup>3</sup>, Silvio C. de  
Oliveira<sup>2</sup>, Lyudmyla V. Romaniv<sup>1</sup>, Olga V. Pishak<sup>1</sup>, Inesa M. Khmeliar<sup>4</sup>, Lesya O.  
Kushnir<sup>4</sup>, Zoriana M. Romanova<sup>5</sup>, Petro S. Yagodynets<sup>1</sup>

<sup>1</sup>Chernivtsi National University, Ukraine

<sup>2</sup>Universidade Federal de Mato Grosso do Sul, Brazil

<sup>3</sup>National Transport University, Ukraine

<sup>4</sup>Rivne State Basic Medical Academy, Ukraine

<sup>5</sup>National University of Food Technologies, Ukraine

Fermentation is the main process, standing in the base of the formation of alcoholic drinks. Various drinks like wine, cider, rum, rumtopf or gin are made by fruit juices fermentation. The glucose fermentation product is ethanol. As for fructose, its fermentation product is hydroxyquinol (Fig. 1).

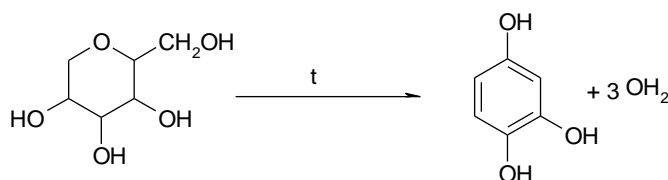


Fig. 1. Hydroxyquinol.

In this work, the possibility of hydroxyquinol and ethanol determination in fruit juices and alcoholic drinks over conducting polymer has been made. It has been shown that the behavior of this system is foreseen to be dynamic. Hydroxyquinol determination gives more significant impact than that of ethanol. Nevertheless, the process is foreseen to be diffusion and kinetically controlled, being efficient.