

The total antioxidant activity of the aqueous systems, saturated with hydrogen

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Abstract

The paper deals with the experimental data to determine the total antioxidant activity of aqueous systems, saturated with hydrogen using a coulometric analysis method, wherein water is observed on the highest increase of its activity up to 20 times. The presence in the water of active organic compounds reduces the influence of hydrogen on the total antioxidant activity, probably consisting of different numbers of molecules. The biological significance, which is reflecting the role of changes in the degree of structuring of water both inside of the living organisms and inside the water of the environment in the processes of the organization and functioning of living systems have been found.