Prognostication of the aggregate antioxidant activity of red wines on the basis of physical-chemical parameters

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Abstract

The purpose of the given work consists in studying some physical and chemical parameters contributing to antioxidant activity of red wines and attempted forecasting the aggregate antioxidant activity of red dry wines on the basis of the obtained data. 59 patterns of red dry wines of import manufacture of various quality grades have been analyzed, in which the following parameters were estimated: the aggregate antioxidant activity, mass concentration of the general extract, mass concentration of the given extract, mass concentration of phenolic substances, mass concentration of sulphurous acids. On the basis of the obtained data the equations of regression have been derived.