

detectados dois pontos finais bem diferenciados.

Na presente comunicação apresentam-se e discutem-se os resultados obtidos.

Bibliografia

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DPASV of Pb and Zn in mixed solvents(water-ethanol)

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Much of the work concerned with the determination of trace metals by anodic stripping voltammetry (ASV) have been carried in aqueous solutions^{1,2,3,4}.

The analysis of metal cations in wines, and more generally, in mixed solvents is a subject of growing interest. Preliminary results on the determination of Cu, Pb and Zn, by differential pulse anodic stripping voltammetry (DPASV) on portuguese wines indicated the possibility of utilization of the technique directly on wine samples, without any previous treatment.

A systematic study is being undertaken to understand the characteristics of DPASV of Cu, Pb, Zn and Cd on a mixed solvent of water - ethanol in order to establish the appropriate conditions of analysis. A static mercury drop electrode and acetate buffer solutions were used throughout.

Results obtained for the DPASV behaviour of Pb, Zn and their mixtures will be presented. The influence of the ethanol content in solution is manifested by the decrease in the sensitivity of the $c_{M^{2+}} - i_p$ relationship which was found to be linear in the range $1 \times 10^{-8} - 2 \times 10^{-7} M$.

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