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# Investigation of the effect of surfactant in the inversion-voltammetric method analysis of metals

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**Abstract**

Inversion-voltammetric analysis of zinc, cadmium and lead in the presence of surfactant flocculants and lignosulfonate was conducted. It is shown that flocculants do not affect the area of the peak of cadmium and lead. Cationic flocculant decreases, and anionic flocculant slightly increases the area of the peak of zinc, which is consistent with theoretical predictions. The use of lignosulfonates during inversion-volammetric analysis it allows to increase the limit of the zinc discovery, cadmium and lead, and enhance the accuracy of the analysis.