

## Thin layer mercury film electrode in flow injection systems

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**Abstract:** Mercury film electrode on nickel substrate is applied in flow-injection analysis of heavy metals traces. The analysis conditions (the rate of the flow-carrier stream, the deposition time, the polarization rate, the sample volume) are optimized. The sensor is used for analyzing traces of Cu, Pb, Cd in chemically pure citric acid.

**Keywords:** a.c voltammetry; cadmium; lead; copper; mercury film electro;

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