

Abstract

In this research, a new, simple and fast method of homogeneous liquid - liquid extraction with atomic absorption spectrometry for the determination of cadmium that exist in plant samples .Content and type of parameters for exploration solvent, type of content of homogeneity solvent, content of solution, concentration of ligand and pH of environment as effective factors on extraction were optimized.

Under optimized terms, the detection limit for this manner 1.8 micrograms per littr. relative standard deviation for 10 replications was less 2.9%. This method was determine amount of cadmium that exist in actual samples.

Keywords: Cadmium, Homogeneous Liquid - liquid extraction, Celery, Atomic absorption spectrometry



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Homogeneous Liquid - liquid extraction of cadmium samples of celery plant

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