

Determination of carbendazim with a graphite electrode modified with silicone OV-17

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Abstract-

The cyclic voltammetric characterization of a graphite electrode modified with silicone OV-17 was carried out on a solution of ferrioxalate. Afterwards, the electrochemical behavior of carbendazim following its accumulation on the electrode surface, was studied. Best conditions for its determination in the preconcentration and measurement steps were established. The method, with a relative error of 3.7% and a determination limit of 9.1 ng/mL, was applied for wine, apple and cultivated soil samples.

Index Terms- Modified electrodes;Silicone OV-17;Carbendazim

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Citation:

Hernández Hernández, P.; Ballesteros, Y.; Galán, F.; Hernández Hernández, L. "Determination of carbendazim with a graphite electrode modified with silicone OV-17", Electroanalysis, vol.8, no.10, pp.941-946, October, 1996.