



## Electrochemical Behaviour of for Cd(II)-VAMP and Cu(II)-VAMP Complex systems

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### ABSTRACT

Electrochemical Behaviour of for Cd(II) and Cu(II)-VAMP complex systems have been evaluated polarographically. The new Schiff Base derived from 2-Amino-2-Methyl-1-propanol having good complex ability towards Cd (II) and Cu(II) ions. In presence of new Schiff Base, detailed Polarographic investigation has been carried out. The obtained results indicate that the electrode reactions in both the systems were diffusion controlled undergoing reversible and irreversible. The Kinetic parameters like activity transfer co-efficient and forward rate constants ( $\alpha_n$ ,  $k_{f,h}^0$ ) have been evaluated in present research study.

**Keywords:** Schiff base, Vanillin, AMP, Polarography, Kinetic parameters.

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