

## **ELECTROCHEMICAL BEHAVIOUR OF MILD STEEL IN ACIDIC MEDIA**

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### **Abstract**

The corrosion inhibition of mild steel in acidic solution  $\text{H}_2\text{SO}_4$  {0.1N (48hr)} by schiff's bases viz.-N-(vanillin)-p-toludine ( $\text{SB}_1$ ), N-(vanillin) –p-anisidine ( $\text{SB}_2$ ) and N-(anisaldehyde)- $\alpha$ -naphthyl amine ( $\text{SB}_3$ ) has been studied by mass loss method. Coefficient of correlation is used to find the best Schiff's base with respect to efficiency.

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**Keywords :** corrosion inhibition, weight loss method, mild steel correlation.