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Inhibition of Corrosion Carbon Steel in Various Acid Medium by an Expired or Unused Acidity Non Toxic Drugs

Suraj B. Ade*, N.V.Shitole

P.G.Department of Chemistry, ShriShivaji College, Parbhani, India

Abstract:The inhibition effect of environmentally friendly and cost-effective drugs, on the corrosion of carbon steel in an acidic medium was studied by the weight loss method at room temperature. The study revealed that the test drug has an inhibitory action on the corrosion of carbon steel in the investigated medium. This paper presents use of expired or unused drugs as corrosion inhibitors for metals in 0.1N, 0.01N and 0.001N (HCl, HNO₃ and H₂SO₄) acidic medium by an expired acidity non toxic drug's. Thus inhibition efficiency was obtained of various acidity non toxic drugs.

Keywords:Corrosion, Inhibition, carbon steel, Weight loss and Expired acidity non toxic drug's.

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