

Study of Plant Cannabis Extract as Green Corrosion Inhibitor for Mild Steel in Acid Media

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Abstract: *The corrosion inhibition of mild steel using extracts of Cannabis in different acid media was investigated by mass loss and thermometric methods. The experiments were carried out at 299 ± 0.2 K in presence of different concentrations of dry fruit, leaves and stem extracts. The results reveal that the alcoholic extracts of Cannabis is a better corrosion inhibitor than that of toxic chemicals. The fruit extract is more potent than leaves and stem extracts to inhibit the corrosion rate.*

Keywords: Cannabis, Mild steel, Mass loss method, Thermometric method, Green corrosion inhibitor

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