

# KHẢ NĂNG ỨC CHẾ ĂN MÒN MỘT SỐ KIM LOẠI CỦA DỊCH CHIẾT CÂY THUỐC LÁ TRỒNG Ở THÁI NGUYÊN

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## TÓM TẮT:

Extracts from Thai Nguyen tobacco were prepared by extracting dried leave powder using a mixture of methanol and water with ratios 8:2. Corrosion inhibition efficiency of Thai Nguyen steel, CT3 steel and Brass was tested in 3% NaCl and 1M HCl with varied concentrations of extracts. The results show that the corrosion rates of metals in studied solution decreased when extract concentrations increased. It is believed that the inhibition process occurs predominantly via chemisorptions of the active species in the Thai Nguyen tobacco extract. Tobacco is an environmentally friend natural products and it is recommended to be considered as a potential source for corrosion inhibition of steel in acidic medium and in sea water.