



- > MainPage
- > About College
- > Files
- > Researches
- > Courses
- > Favorite Links
- > Our Contacts

Visits Of this Page:6



## Research Details :

Research Title	: <u>Corrosion inhibition of aluminium by some picrate salts</u> <u>Corrosion inhibition of aluminium by some picrate salts</u>
Descriptipn	: Corrosion of aluminium in hydrochloric acid solution has been studied by hydrogen evolution, weight loss as well as galvanostatic measurements without and with some picrate salts as inhibitors. The inhibitors used are: Sodium, Potasium and Ammonium picrate, mono, di, tri and tetramethylammonium picrate. The compounds have a marked inhibitive effect on the corrosion of aluminium. The dependence of corrosion rate on inhibitor concentration is highly marked. The effect of substitution of hydrogen atoms in ammonium by methyl groups in alkylannnonium picrate salts on corrosion rate is investigated.
Research Type	: Article
Research Year	: 2004
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Supervisor	: Khalil RM, Al-Nowaiser FM
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