عنوان فارسی مقاله:

آمین‌های آروماتیک به عنوان باردارنده‌های خوردگی برای روی در هیدروکلریک اسید

عنوان انگلیسی مقاله:

Aromatic Amines as Corrosion Inhibitors for Zinc in Hydrochloric Acid

توجه!

این فایل تنها قسمتی از ترجمه می‌باشد. برای تهیه مقاله ترجمه شده کامل با فرمت ورد (قابل ویرایش) همراه با نسخه انگلیسی مقاله، اینجا کلیک کنید.
CONCLUSION

From the results of the study, the following conclusion may be drawn:
1. The corrosion rate of zinc increase with increase in acid concentration.
2. The extent of inhibition increases with the increase in concentration of inhibitors.
3. All the aromatic amine provides protection through physical adsorption.
4. The change in anodic and cathodic Tafel values in the presence of aliphatic amines indicate their effect on both anodic and cathodic process, however, somewhat less anodic polarization, but greater cathodic polarization occur in plain as well as in inhibited acid, suggest that the inhibitors function by general adsorption at cathodic as well as anodic regions of the metal surface.
5. There was good agreement in the value of inhibition efficiency calculated using polarization technique and weight loss data.