

Review Form 3

Journal Name:	Asian Journal of Physical and Chemical Sciences
Manuscript Number:	Ms_AJOPACS_125629
Title of the Manuscript:	Determination of the anticorrosive properties of trimebutine maleate for aluminum corrosion in 2M HCl. Gravimetric and quantum chemistry approaches.
Type of the Article	

PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	This research introduces a novel investigation into the anticorrosive properties of trimebutine maleate for aluminum corrosion in 2M HCl, utilizing both gravimetric analysis and quantum chemistry approaches to provide a comprehensive understanding of its inhibitory effects.	
Is the title of the article suitable? (If not please suggest an alternative title)	I suggest that the title should be written as "Determination of the anticorrosive properties of trimebutine maleate for aluminum corrosion behaviour in 2M HCl gravimetric and quantum chemistry approaches »	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	The authors should add the findings of DFT result and make possible recommendation.	
Are subsections and structure of the manuscript appropriate?	Adequate and appropriate	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.	The manuscript presents a comprehensive study combining gravimetric analysis and quantum chemistry approaches to evaluate the anticorrosive properties of trimebutine maleate for aluminum in 2M HCl, providing both experimental and theoretical insights. The two methods enhance the reliability of the findings by validating the anticorrosive effects through complementary techniques, strengthening the scientific rigor and technical soundness of the research.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Literature review sufficiently addresses the topic being experimented upon. Secondary sources, use of current literatures and references deployed are adequate.	
Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	The English language of the manuscript is good. There are a number of grammatical mistakes and typing errors, authors are advised to fix them.	
Optional/General comments	The authors have not discussed the composition of the steel in the manuscript, add it. The experimental data are insufficient and it is suggested to add experiments such as 3D morphology of metal surface, XPS, impedance and polarization curves. Check the expression of corrosion rate and units	

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PART 2:

	Reviewer's comment	Author's comment <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

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