



**SDI Review Form 1.6**

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| Journal Name:            | <a href="#">Asian Journal of Chemical Sciences</a>                                                        |
| Manuscript Number:       | Ms_AJOCS_31274                                                                                            |
| Title of the Manuscript: | Stability Study of Artesunate under stress condition using high performance liquid chromatography method. |
| Type of the Article      | Original Research Article                                                                                 |

**General guideline for Peer Review process:**

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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**PART 1: Review Comments**

|                                     | Reviewer's comment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Author's comment (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)                                                                                                                                                                                |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Compulsory</b> REVISION comments | <p>Despite, many parts seem to be wrong or incomplete. "...lack of UV or florescent chromophore for absorption and lack of functional group for derivatization (6)."-I cannot see any connection, also the large part about solvents and UV absorptivity seems to be abundant. In Table 1 many solvents are described, only some of them were used for experiments. The results presented here seem to be abundant.</p> <p>"...were cooled and adjust to pH 7 and extracted with chloroform"-extraction was not described anywhere. In Table 2 some absorbance values seem to be wrong. Table 6 presents areas, not concentration or % degradation, why?</p> <p>Table 7 is not clear to me.</p> <p>"From the structure of artesunate figure: 1, it can be seen that there's two functional groups are labile."-what groups and why?</p> <p>"The tendency of which to increase the thermal stability was in the following order: methyl paraben, Propyl paraben, talcum powder, sodium benzoate, providing and aerosol respectively."-what does it mean?</p> <p>"Official HPLC method used."-what method?</p> <p>There is no any data concerning validation of the quantitative method.</p> <p>Any references concerning artesunate determinations were not cited, why? In the literature, some similar papers exist.</p> <p>There is no any discussion about the results obtained.</p> | <p>Compulsory correction has done</p> <p>Extraction method corrected</p> <p>All absorbance value was right but some solvent has too much noise.<br/>Table corrected to remaining concentration<br/>Now it seems to be clear<br/>Two labile groups are mentioned</p> <p>pH value</p> <p>International pharmacopeia<br/>Date of some methods are mentioned</p> |



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|                                         |                                                                                                        | Dissection of the results are included |
| <b><u>Minor</u></b> REVISION comments   |                                                                                                        |                                        |
| <b><u>Optional/General</u></b> comments | Experiments as well as results and discussion are difficult to reading and sometimes to understanding. |                                        |