

## Review Form 1.6

Journal Name:	<a href="#">Journal of Pharmaceutical Research International</a>
Manuscript Number:	Ms_JPRI_78101
Title of the Manuscript:	Spectroscopic Estimation of Doxylamine Succinate in Tablets and Human Plasma by Formation Ion-Pair Complex
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:

(<https://www.journalipri.com/index.php/JPRI/editorial-policy>)

### **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><u>Compulsory</u></b> REVISION comments	<p>The introduction was discussed concerning the drug delivery system, it is more rational to cover the common introduction concerning method development and its applications. Needs to briefly discuss the reported method and how the present work is better or gives improved application to that of the reported work.</p> <p>The full name of ICH needs to change, the author gave the old name. The absorbance maxima values are not constant in text and in spectra, 410, 420, and 425 nm, why?</p> <p>How levels are defined in robustness for wavelength and temperature by mentioning the values low, high, and originals? It is not clear.</p> <p>No information was provided with a plasma source.</p> <p>The sensitivity of the method could not be acceptable for its application for the quantification of a drug from plasma.</p>	<p>The discussion was intended to add importance of ion-pairing concepts. As per reviewer suggestion its analytical applications are discussed.</p> <p>The reported protocols are discussed in revisions.</p> <p>.</p> <p>Corrected the full name of ICH. It was a typographic error. The absorbance maxima for drug-dye ion-pair complex measured at 420 nm. There were no peaks detected at 410 nm &amp; 425 nm.</p> <p>It was a typographical error; the same is rectified in revisions.</p> <p>The plasma sources are included in materials.</p> <p>As the present method is colorimetric based the colour intensity and LOQ levels suggesting sensitivity. However, further optimization is required.</p>
<b><u>Minor</u></b> REVISION comments	<ul style="list-style-type: none"><li>As it is a colorimetric method why need to work in the UV region? As 200-800 nm was written.</li><li>Why is the time and volume of reagent not considered for optimization purposes? As they are critical factors for the development of colour.</li><li>Some of the references are irrelevant to the present work, need to be modified, change, or remove.</li><li>How different temperature was controlled and monitored for the optimization of the method.</li></ul>	<p>As the instrument is enabled with both UV-visible ranges, we were scanned in entire region. No other specific reason is there in choosing entire region.</p> <p>The effect of time variability was optimized and the same was already discussed. As the effect of buffer and dye volume was assessing in robustness studies we could not include in optimization.</p> <p>The references are rearranged.</p> <p>The temperature was maintained as 30<sup>0</sup> C ± 2<sup>0</sup>C for all the experiments. While in optimization studies the ion-pair complex formation was allowed at 30<sup>0</sup> C ±5<sup>0</sup> C using stability chambers (20-60<sup>0</sup> C- 60% RH).</p>
<b><u>Optional/General</u></b> comments	<ul style="list-style-type: none"><li>Typographical mistakes need to correct like in the abstract the concentration range was given in gram.</li><li>The reference style also needs to be revised as per journal requirements.</li></ul>	<p>The learned reviewers are rightly mentioned about several typographic and grammatical mistakes. These are noticed as the text was not fully verified properly in the process of minimising similarity indexes. Corrected all the errors as suggested including references.</p>

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PART 2:

	<b>Reviewer's comment</b>	<b>Author's comment</b> <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>
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	No ethical issues applicable as the investigations were carried by <i>in-vitro</i> experiments using gifted sample of human plasma.