

## Review Form 1.6

Journal Name:	<a href="#">Journal of Advances in Medical and Pharmaceutical Sciences</a>
Manuscript Number:	Ms_JAMPS_90931
Title of the Manuscript:	DEVELOPMENT AND VALIDATION OF NOVEL ANALYTICAL METHOD FOR THE DETERMINATION OF PARTICLE SIZE DISTRIBUTION IN CIPROFLOXACIN HYDROCHLORIDE USING LASER-BASED PARTICLE SIZE ANALYZER
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.journaljamps.com/index.php/JAMPS/editorial-policy> )

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**PART 1: Review Comments**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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>a) The introduction part is not detailed and critical.</p> <p>b) Though the research question is nicely put forward. But my big concern is how it could be possible that particle size determination of this most important drug Ciprofloxacin hydrochloride has not been studied till date. Have the authors done extensive literature survey?</p> <p>c) Please mention from where the drug Ciprofloxacin hydrochloride has been procured.</p> <p>d) Tables in the Results &amp; Discussion section are not understandable.</p> <p>e) Authors should represent the results in graphical form depicting particle size distribution curves.</p> <p>f) Paper requires more literature search and hence more references. Reference number 3 is not in context with the text.</p>	
<b>Minor</b> REVISION comments	<p>Dear Ms. Ruma Bag,</p> <p>I am so grateful for providing me an opportunity to review the manuscript titled 'Development and validation of novel analytical method for the determination of particle size distribution in ciprofloxacin hydrochloride using laser-based particle size analyzer.'</p> <p>As it is clear from the title, authors used laser-based particle size method to study the validation of ciprofloxacin hydrochloride.</p> <p>The paper lacks clarity and there are major shortcomings that need to be addressed.</p> <p>a) The introduction part is not detailed and critical; has major grammatical errors. Also, there is repetition of some words in the text.</p> <p>To get some idea regarding the introduction part, authors can search the following links:</p> <p><a href="https://www.academia.edu/20393096/Formulation_of_ciprofloxacin_hydrochloride_loaded_biodegradable_nanoparticles_optimization_of_technique_and_process_variables">https://www.academia.edu/20393096/Formulation_of_ciprofloxacin_hydrochloride_loaded_biodegradable_nanoparticles_optimization_of_technique_and_process_variables</a></p> <p><a href="https://www.researchgate.net/publication/325111091_Effect_of_particle_size_on_dissolution_profile_of_ciprofloxacin_hydrochloride_from_floating_matrix_tablet">https://www.researchgate.net/publication/325111091_Effect_of_particle_size_on_dissolution_profile_of_ciprofloxacin_hydrochloride_from_floating_matrix_tablet</a></p> <p><a href="https://www.tandfonline.com/doi/pdf/10.3109/21691401.2016.1161637">https://www.tandfonline.com/doi/pdf/10.3109/21691401.2016.1161637</a></p> <p>b) Though the research question is nicely put forward. But my big concern is how it could be possible that particle size determination of this most important drug Ciprofloxacin hydrochloride has not been studied till date. Have the authors done extensive literature survey?</p> <p>c) In the Materials &amp; Methods Section, Experimental data is not presented. What are the experimental procedures authors have adopted? Authors should clearly explain Laser based particle size analyzer. What are the optical</p>	

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	<p>parameters and how these can be determined?</p> <p>d) Please mention from where the drug Ciprofloxacin hydrochloride has been procured.</p> <p>e) If we look at Results &amp; Discussion part, <b>Ciprofloxacin benzoate</b> was mentioned mistakenly.</p> <p>Moreover, authors indicated that ‘For this purpose, a series of trials were performed.....’ My point is “What is the detailed procedure for the aforesaid trials?</p> <p>f) In the Validation Section, “ICH (International Conference on harmonization” is very significant and requires citation.</p> <p>g) The sentence in the Development Part, “During method development dry mode and optimized optical are as parameters.....the best particle measurement conditions for the entire study” is really perplexed and arduous to understand.</p> <p>Could the authors elaborate in a more precise way?</p> <p>h) Further, the tables in the Results &amp; Discussion section are not understandable.</p> <p>i) Authors should represent the results in graphical form depicting particle size distribution curves.</p> <p>j) Paper requires more literature search and hence more references. Reference number 3 is not in context with the text</p> <p>The paper can be accepted but with major recommendations.</p>	
<b>Optional/General</b> comments		

**PART 2:**

	<b>Reviewer’s comment</b>	<b>Author’s comment</b> (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>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

**Reviewer Details:**

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Department, University & Country	<b>Canada</b>