



## SDI FINAL EVALUATION FORM 1.1

### PART 1:

Journal Name:	<a href="#">Asian Journal of Research and Reports in Endocrinology</a>
Manuscript Number:	Ms_AJRRE_48091
Title of the Manuscript:	EVALUATION OF ACUTE AND CHRONIC TOXICITY OF TARTRAZINE (E102) ON STERIOD REPRODUCTIVE HORMONES OF ALBINO RATS
Type of Article:	Original Research Article

### PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
<p>In response to my query the comments of author are vague. The study could have been much more specific as related to effects on reproductive efficiencies. Simply measuring the steroid hormones particularly in acute toxicity is not going to reflect that the drug has significant effect on reproduction. For ascertaining the effect one has to be specific e.g. author could have studied histological changes in gonads, status of enzymes related to synthesis of steroid reproductive hormones. Secondly study must be with defined hypothesis rather than revalidation of earlier studies.</p> <p>Thirdly which is still to be justified, is that in your study you have calculated LD 50 of tartrazine to be 5.83g/kg and 11.25g/kg for intraperitoneal and orally treated rats respectively which means 50 % tested population dies at these doses, whereas you have used 8.33 and 20 g/kg in acute treatments where one should expect more than 50% mortality in treated rats which is to be explained.</p> <p>The author has made necessary modifications in the manuscript that is welcome.</p>	

### Reviewer Details:

Name:	<b>Zahoor A Pampori</b>
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