Reviewer's report

**Title:** Acute and repeated dose 28 day oral toxicity studies of a Siddha medicine Nuna Kadugu in Sprague Dawely rats

**Version:** 5  **Date:** 22 June 2012

**Reviewer:** Akihiro Hagiwara

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Comments to Author:

Author: Ramaswamy, R.S.. et al.

Title: Acute toxicity and repeated dose 28-day oral toxicity studies of a Siddha medicine “Nuna Kadugu” in Sprague-Dawley rats.

The introduction and discussion sections are well described, but the materials and methods section and results section should be precisely noted.

1. P1, Title
   Typographical error “Dawely” should be corrected.

   “at 0.3, 1, 4, 24 h…” should be “0.5, 1, 4, 24 h…”.

3. P2L19-21. (Abstract-Results section)
   This sentence “There were no gross…” need to improvement.

4. P6L12-15 (section 2.5. Experimental animals - Husbandry)
   Room temperature and relative humidity should be noted for values recorded during the course of study, but not target values set for the study.

5. P8L27-29 (section 2.8. Histopathology)
   Please note clearly that histopathological examination were not done for any organ in animals of low and mid dose groups, since no treatment-related changes were found in the highest dose.

6. P6L12-15 (section 2.5. Experimental animals - husbandry:), and P7L17, 18)
   There was a discrepancy that animals were housed in groups (3-5/cage)(refer P6L12-15), but animals were housed individually (refer P7L17, 18).

4. P16, Table 1a
   Need explanation of “S.No”, “NK”, and “-” ~ “+++”.

   Unit (g, g/rat or g/rat/day etc) of each parameter should be noted.