

Biostatistics statement

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The statistical methods of this study were reviewed by **Leônia Maria Batista, PhD**, Department of Pharmaceutical Sciences, Laboratory of Pharmaceutical Technology, Federal University of Paraíba, leoniab@uol.com.br. Results with parametric values (intestinal transit, gastric emptying and enteropooling essays) were subjected to analysis of variance (ANOVA) followed by Dunnett's or Tukey test, and expressed as mean \pm SD of the mean. In the acute toxicity protocol was used *t*-test to verify statistics differences between treated and non-treated groups with *M. erythroxylon*. For nonparametric values (antidiarrheal evaluation) Kruskal-Wallis test followed by Dunn's post-test were used. The results were expressed as median (minimum-maximum values). All data were analyzed using the software GraphPad Prism 5.0 (San Diego, CA, United States), and the significance level was set at $P < 0.05$.

Sincerely,

Leônia Maria Batista

