

## 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

A handwritten signature in blue ink that reads "Leônia Maria Batista". The signature is written in a cursive style with a horizontal line underneath.