

Content and label diagnosis of commercialized herbal drug of *Uncaria tomentosa* (Willd.) DC. in Rio de Janeiro and Minas Gerais

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Palavras-chave: *Uncaria tomentosa*; Quality control; Herbal drug; Package.

Introduction: *Uncaria tomentosa*, known as cat's claw, is a medicinal plant used as antiinflammatory in folk medicine and in SUS fitotherapy. To ensure safety and effectiveness in its use, it's necessary to certify the authenticity of the drug. This work aims to know if the herb drugs of *U. tomentosa* offered in Rio de Janeiro and Minas Gerais markets are authentic, and if their labels are according to RDC10/2010.

Experiments: Macroscopic and microscopic analyzes of macerated material of 8 samples were compared with standard material of *U. tomentosa*. Labels were analyzed according to all items required by RDC10/2010, in its section IV.

Results and Discussion: 2 out of 8 samples were according to standard macroscopic and microscopic parameters. Standard material, and samples identified as D and H have fiber walls fluted, parenchyma cells and no crystals among fibers. Label analysis showed absence of majority of items described in RDC 10/2010 for warning phrases (95%) and use instructions (83%). Majority of information was present at package items (59%), and herb identification (86%). Attention is called to the substitution of authentic herbal drug for another one for which there is no study or knowledge enough about its pharmacological and toxic properties (SILVA, I.M., Rev. Bras. Farmacogn., 325, 2009).

Conclusion: Few samples offered to population in Rio de Janeiro and Minas Gerais market are authentic herbal drug of *U. tomentosa*. None of them present any label standardized according to RDC 10/2010, indicating lack of supervision from authorities.

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