

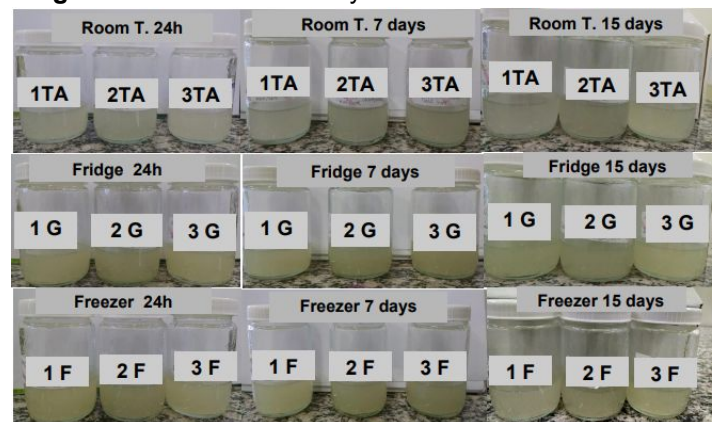
***Pterodon pubescens* Benth. (Sucupira) Ethanol Extract Mouthwash Pharmaceutical Forms**Natália H. Alves¹, Mariana C. Figueiredo², Mary A. Foglio¹.¹ Faculty of Pharmaceutical Science -UNICAMP - Campinas - SP, Brasil ; ² Medical Science Graduate School of the Faculty of Medical Science UNICAMP - Campinas - SP, Brasil**Abstract**Development of a pharmaceutical mouthwash formulation using *Pterodon pubescens* Benth. ethanol extract.**Key words:**

Natural Products, herbal medicines, Dentistry

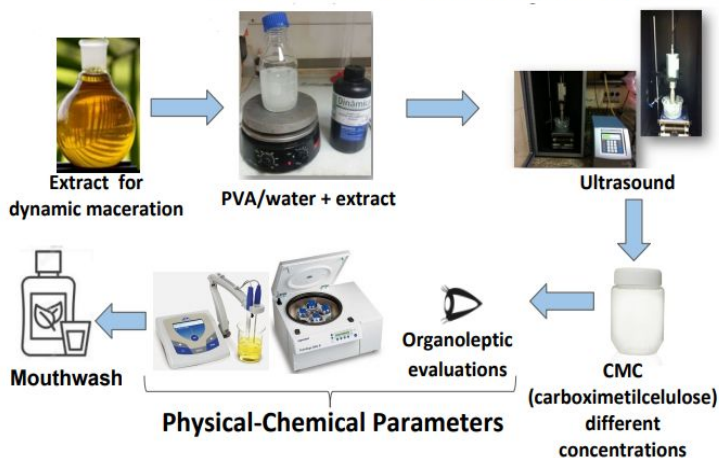
Introduction

The search for natural therapies has increased the demand for herbal medicines for the treatment and prevention of diseases. In dentistry there has been an increase in research involving natural products due to the need for products with lower toxicity and greater pharmacological activity. Periodontal diseases are considered a public health issue and are characterized by inflammatory processes of infectious origin that reach the gingival tissues and supporting teeth tissue that can lead to alveolar bone damage. Mouthwashes are among the different products for treatment and prevention of these diseases. Rinses have a wide variety of active ingredients, with antibacterial activity. *Pterodon pubescens* (Sucupira) is popularly used for pain and inflammation. Scope: development of a pharmaceutical mouthwash formulation using *Pterodon pubescens* ethanol extract.

The formulations, when evaluated on the 7th and 15th day showed macroscopic differences in color and odor when stored at -5°C and $+5^{\circ}\text{C}$. At room temperature, viscosity decrease was observed. After centrifugation process the formulations did not show phase separation under all conditions tested. A 12% decrease in the pH value of the formulation was observed at room temperature after 15 days.

Image 2. Accelerated Stability**Results and Discussion**

Experimental: formulations were prepared according to ANVISA 2004 protocols.

**Image 1.** Methods used for the development of mouthwash**Conclusions**

Herein important parameters to be considered for the development of standardized herbal formulations are reported.

Acknowledgement

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