#### **POSTER 23**

UNICAMP

# OPEN FRONTIERS OF INNOVATION AND DEVELOPMENT WTH CONSUMER RESEARCH: A CASE WITH

CHEWING GUM MINT FLAVOR

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#### INTRODUCTION

Information about the preferences and consumer acceptance can be valuable keys to the companies focused in to open frontiers of innovation and development. Consumers appreciate the product as a confection, also currently, as a product to oral care or vehicle to specific compounds like prebiotic agents.

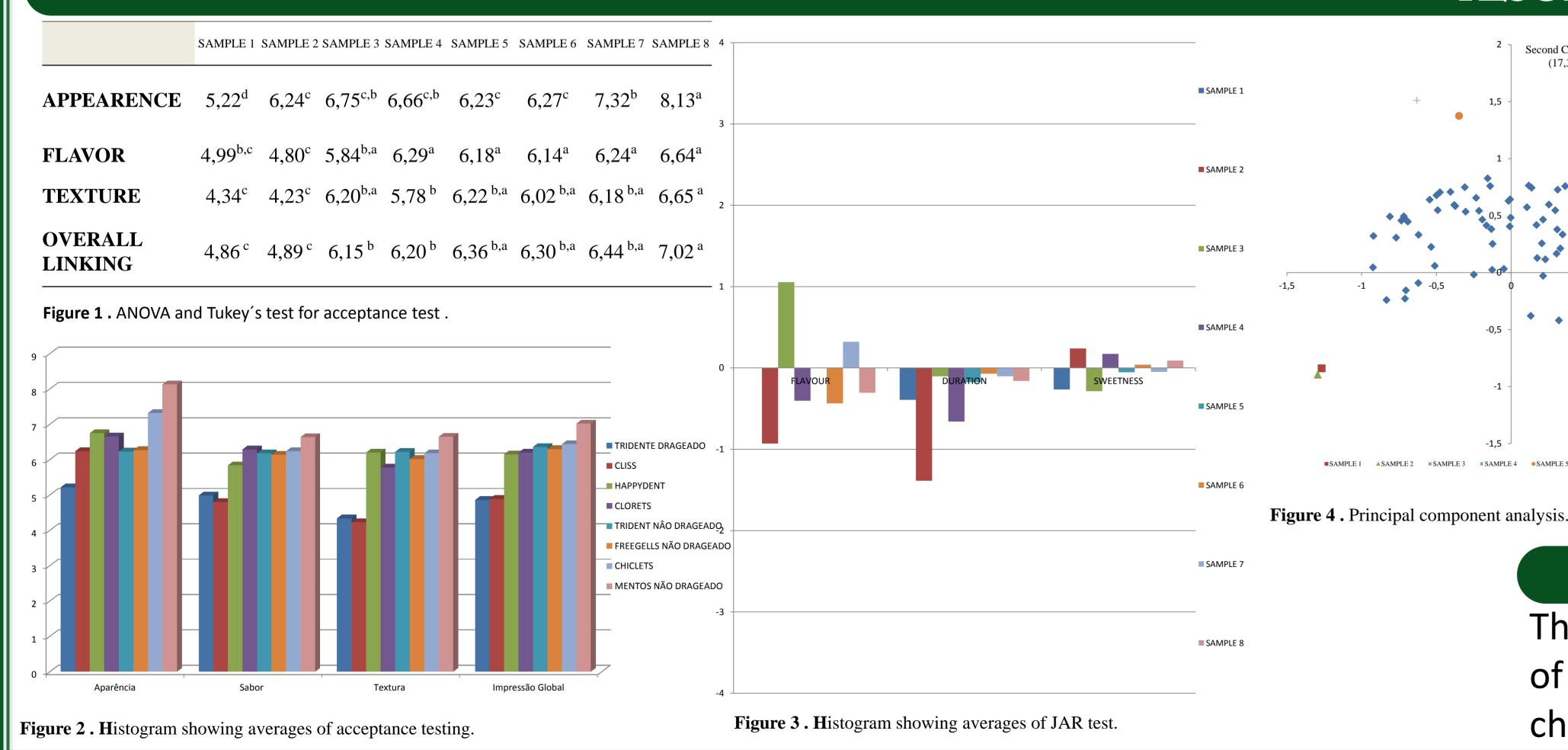
#### RESEARCH AIM

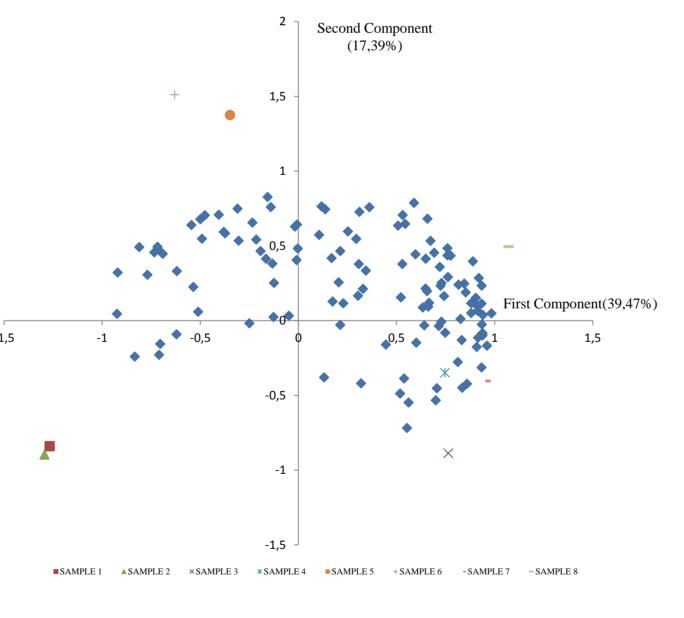
The objective of this study was determining the segmentation of consumers of international different chewing gum mint flavor.

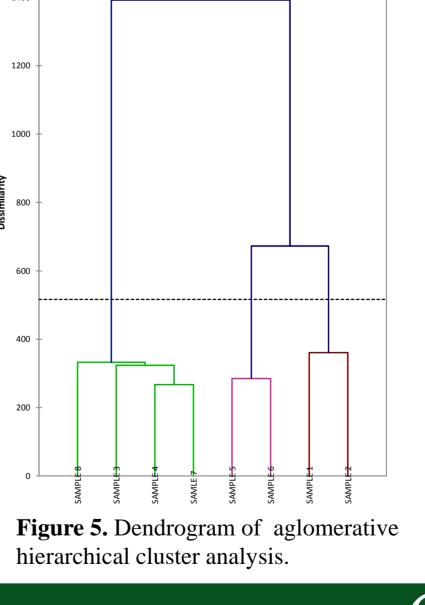
#### METHODOLOGY

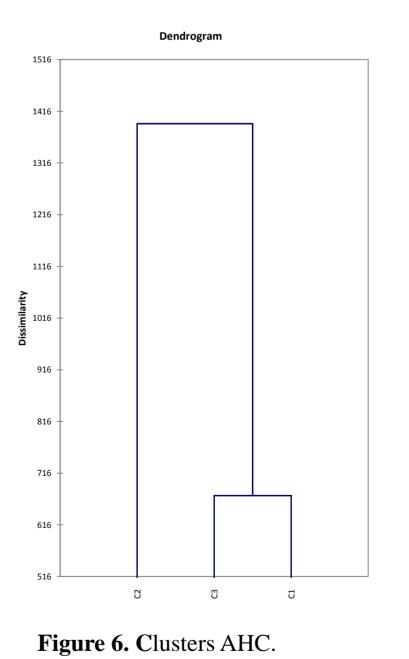
Eight samples of commercial brands of chewing gum mint flavor, was analyzed by 150 consumers. Four samples were sweetened with sucrose and four (sugar-free) sweetened with aspartame/acesulfame-K/sucralose mix. The samples were analyzed by affective tests: I) acceptance analysis with hedonic non structured scales (9cm) in relation to appearance, flavor, texture and overall impression; II) ideal analysis of mint flavor, time of duration of mint flavor and sweetness using just-about-right scale. The data of acceptance tests were analyzed by ANOVA, Tukey's test, Internal Preference Map and Agglomerative hierarchical clustering (AHC). The data of just-about-scale were analyzed by histogram of frequency of distribution (percent) in relation to scale.

### RESULTS









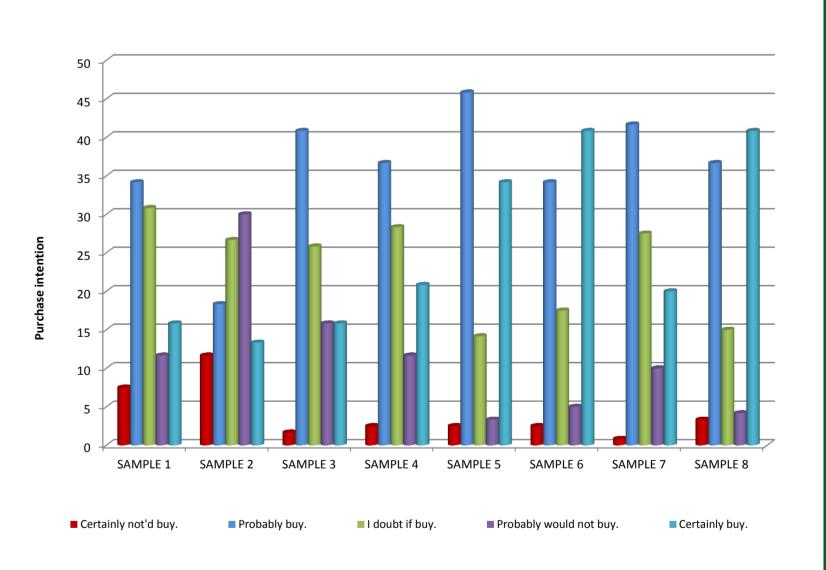


Figure 7. Histogram OF Purchase intention frequency.

## CONCLUSIONS

The results shown tree segmentation of preferences, revealing a well-defined differentiation of preferences of consumer to three distinct types of commercial international brands of chewing gum mint flavor, each one with different sensory characteristics.