



Accounting for Taste: Sensory Cohesion and Product Perception

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Poster #35

INTRODUCTION

The perceptive-hedonic experience of products, routinely, measured with liking scores, can be investigated deeper by collecting emotional responses that can color and even influence the experience. Flavor perception and emotional association can be a barrier to product success. For example, a flavor that is well liked may not be believably "nutritious"; while a flavor that is less liked may negatively impact compliance. Additionally, negative associations may be attributed to a flavor based on the emotions in which it is experienced (e.g. unpleasant hospital experiences).

For the current study, we were challenged to determine consumer acceptance of optimal flavor of a nutritional drink, maintaining compliance and consumer reason to believe for intended benefits (supplemental nutrition).

Research has shown that certain flavor perceptions can be a barrier to usage of these products:

A flavor that scores high on hedonics may be considered to have a flavor that is too "good" to be nutritious. Similarly, a flavor that is considered less appetizing may impact compliance.

Additionally, a negative "halo" effect in this regard could arise from the fact that many users are introduced to these products while recovering from (or while in) a hospital visit/procedure.

Using a 2-phase approach we (SENSANALYSIS & HCD Research) explored both the explicit and implicit consumer product experience to determine which of four fruit flavors were a best fit-to-concept.

-Phase 1 utilized implicit reaction testing for association of test flavors and key concepts (ex: "healthy", "wholesome") and how the product made participants feel (ex: "comforted", "strong").

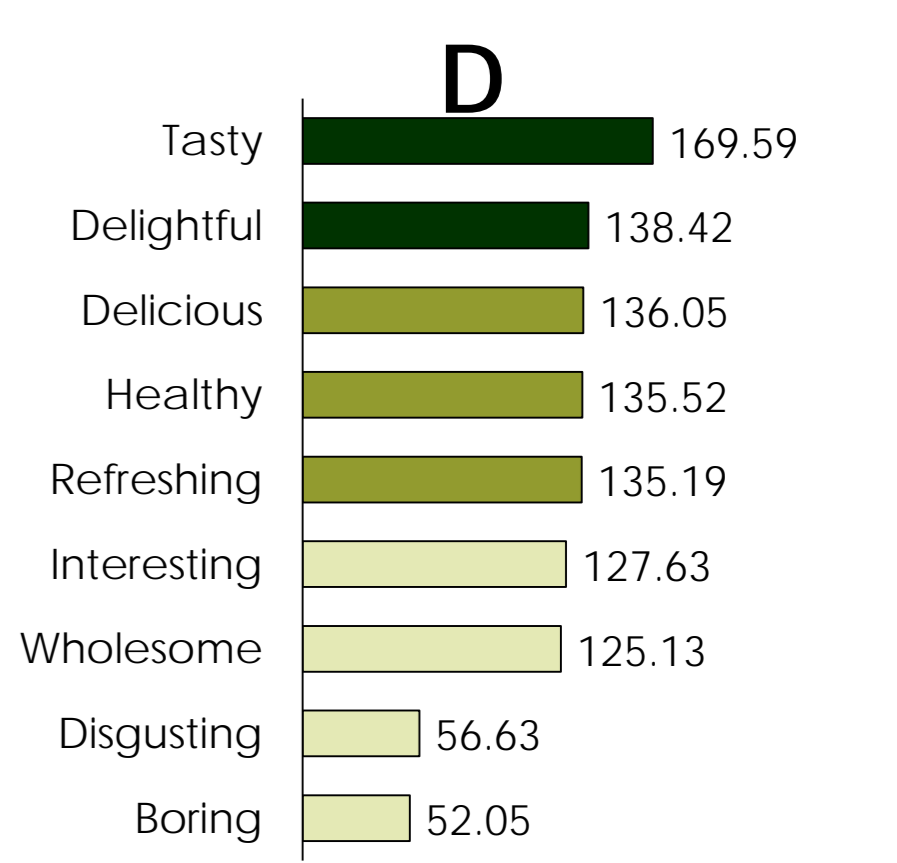
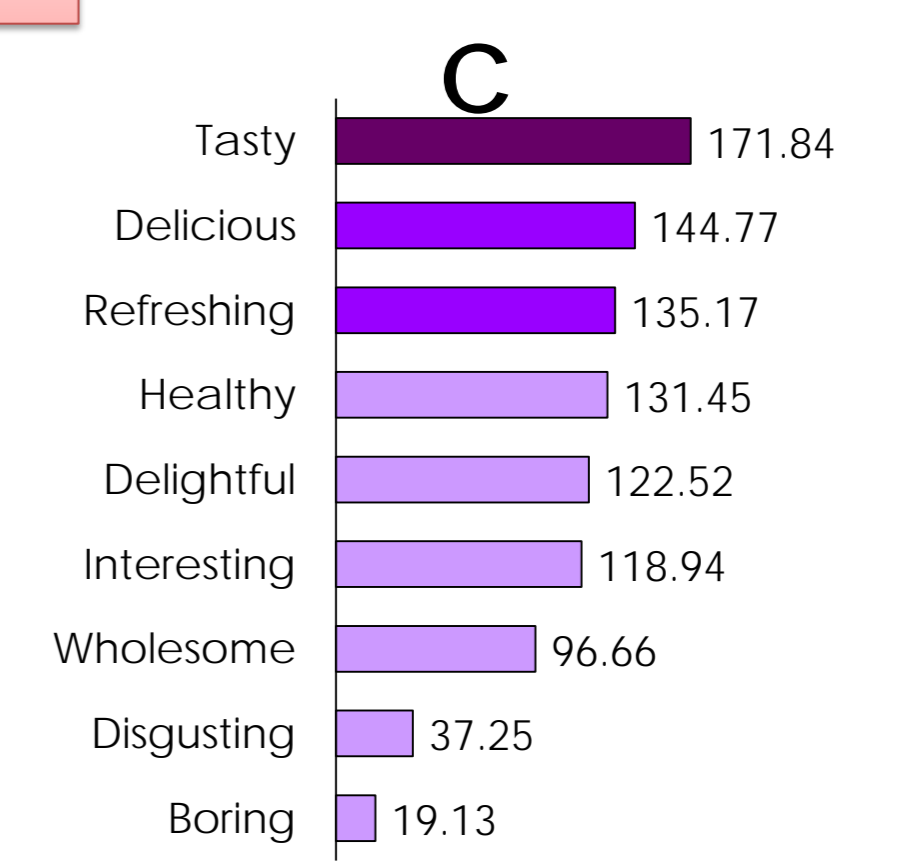
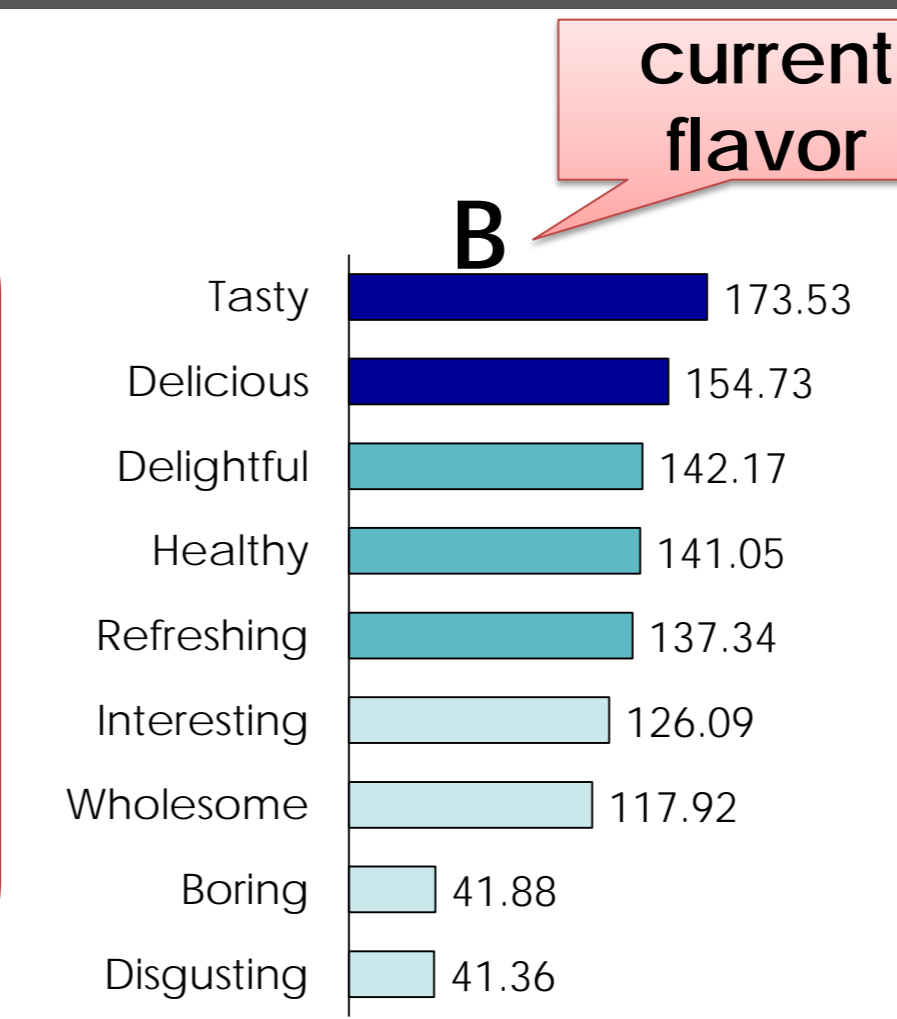
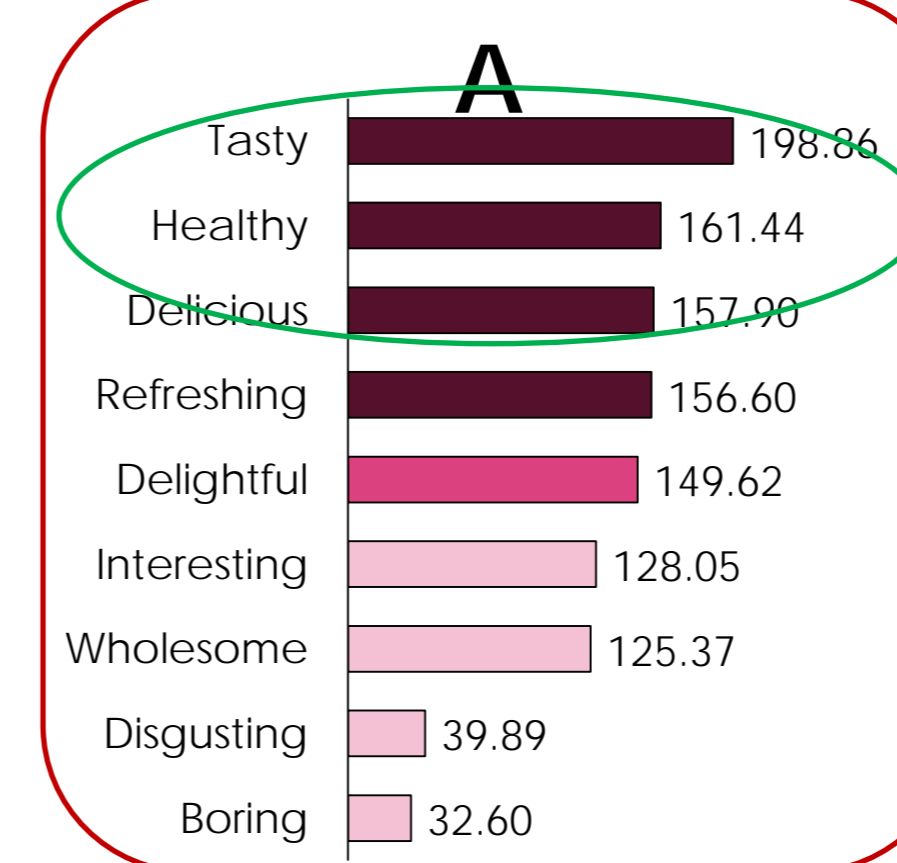
-Phase 2 used Sensorial Sessions for in depth qualitative feedback on the participants' thoughts/emotions from individual written exercises.

Results revealed a clear winner among the test samples for both perceptive and hedonic fit to concept as well as provided an in depth look at the consumer emotional and non-conscious drivers which can ultimately influence both the product experience and consumer compliance.

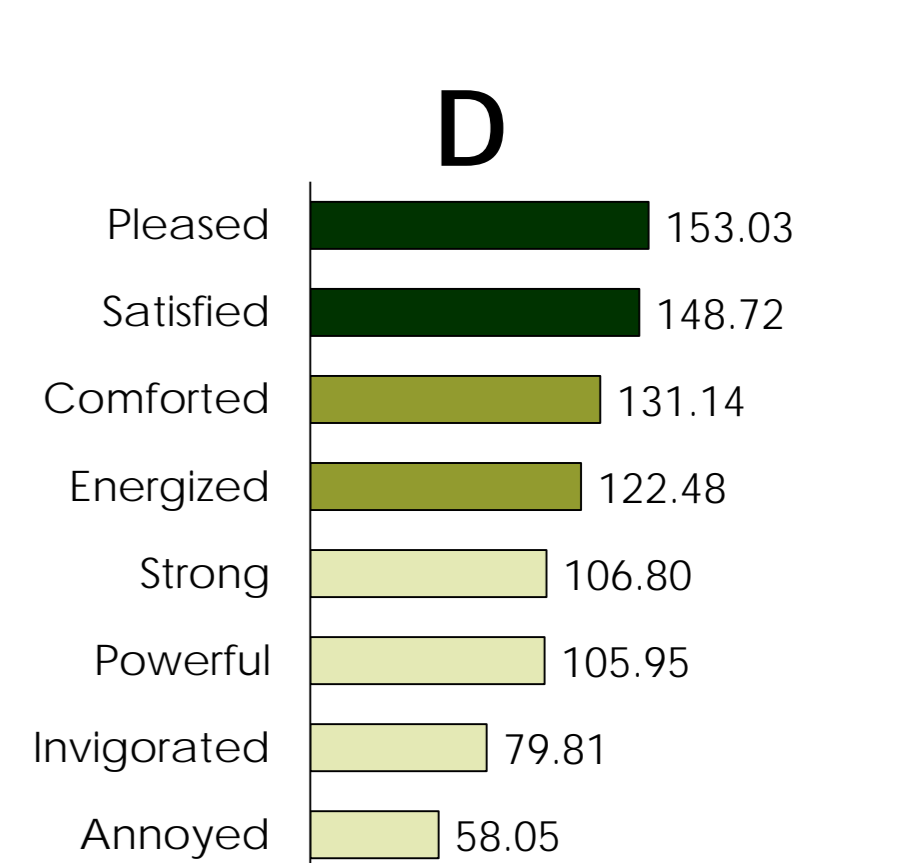
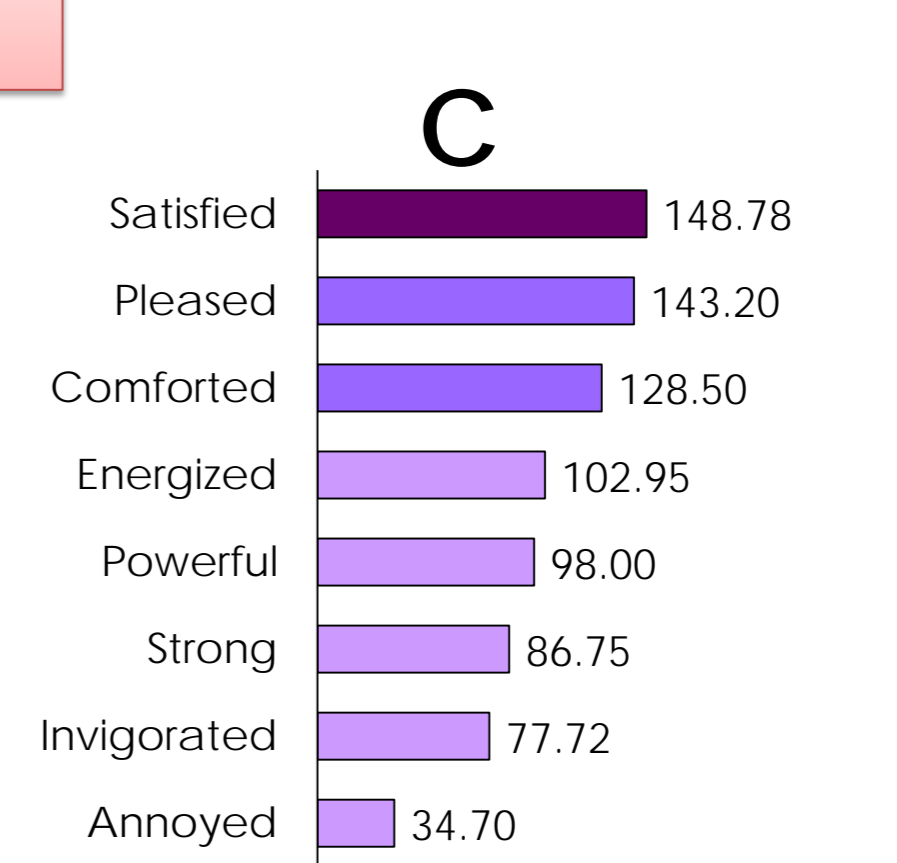
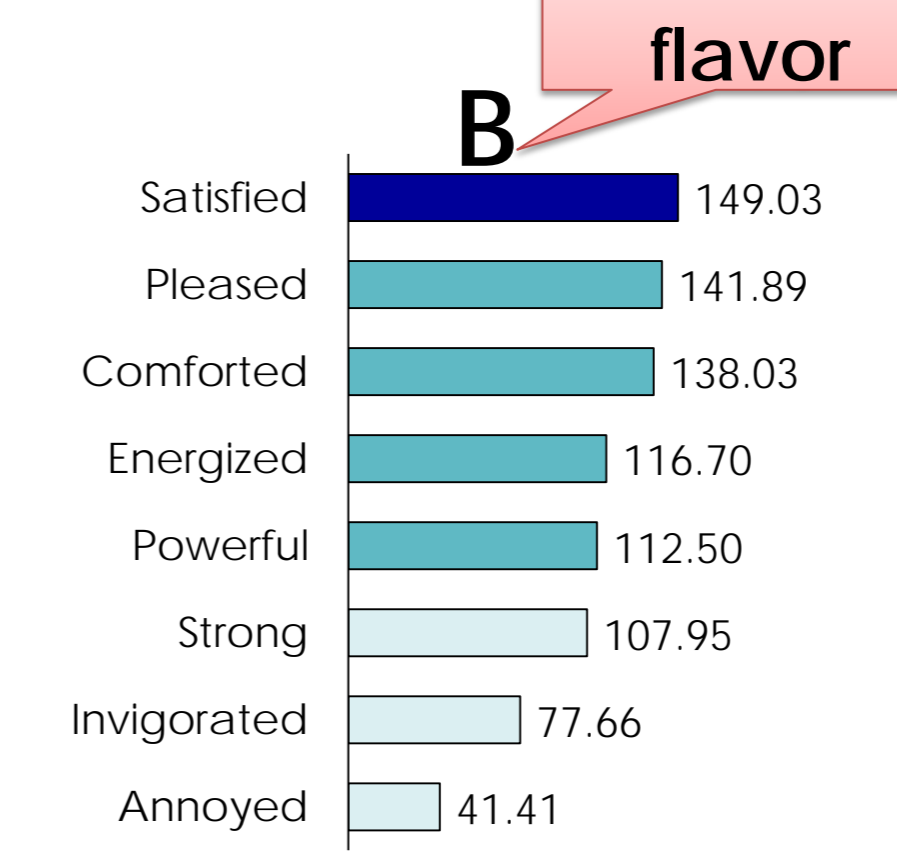
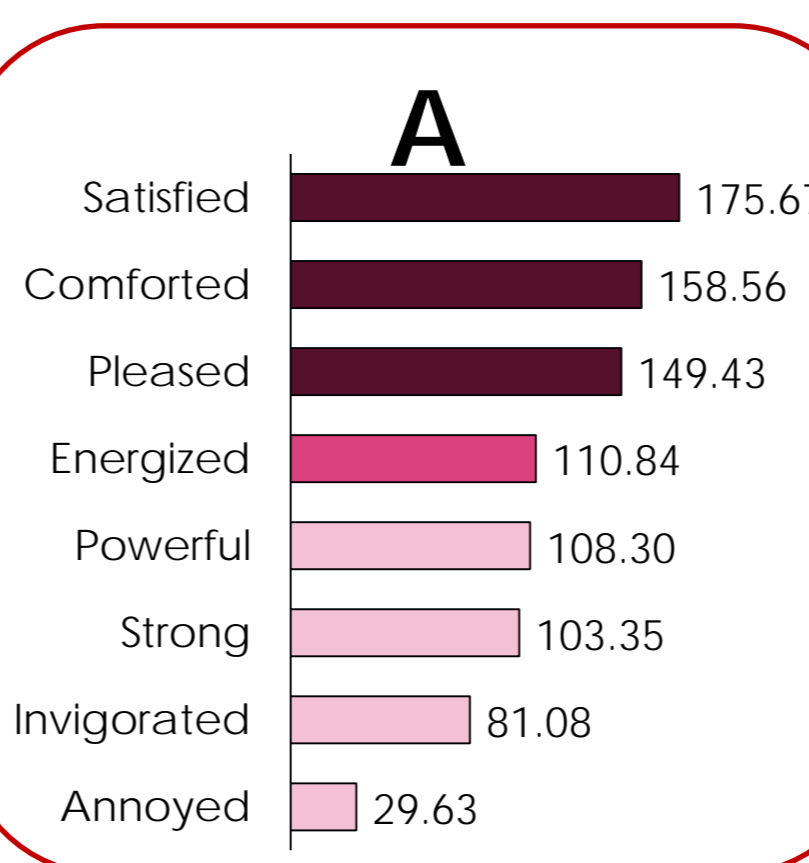
Phase 1



Associations (Drink Is...)



Associations (Drink Makes me Feel...)



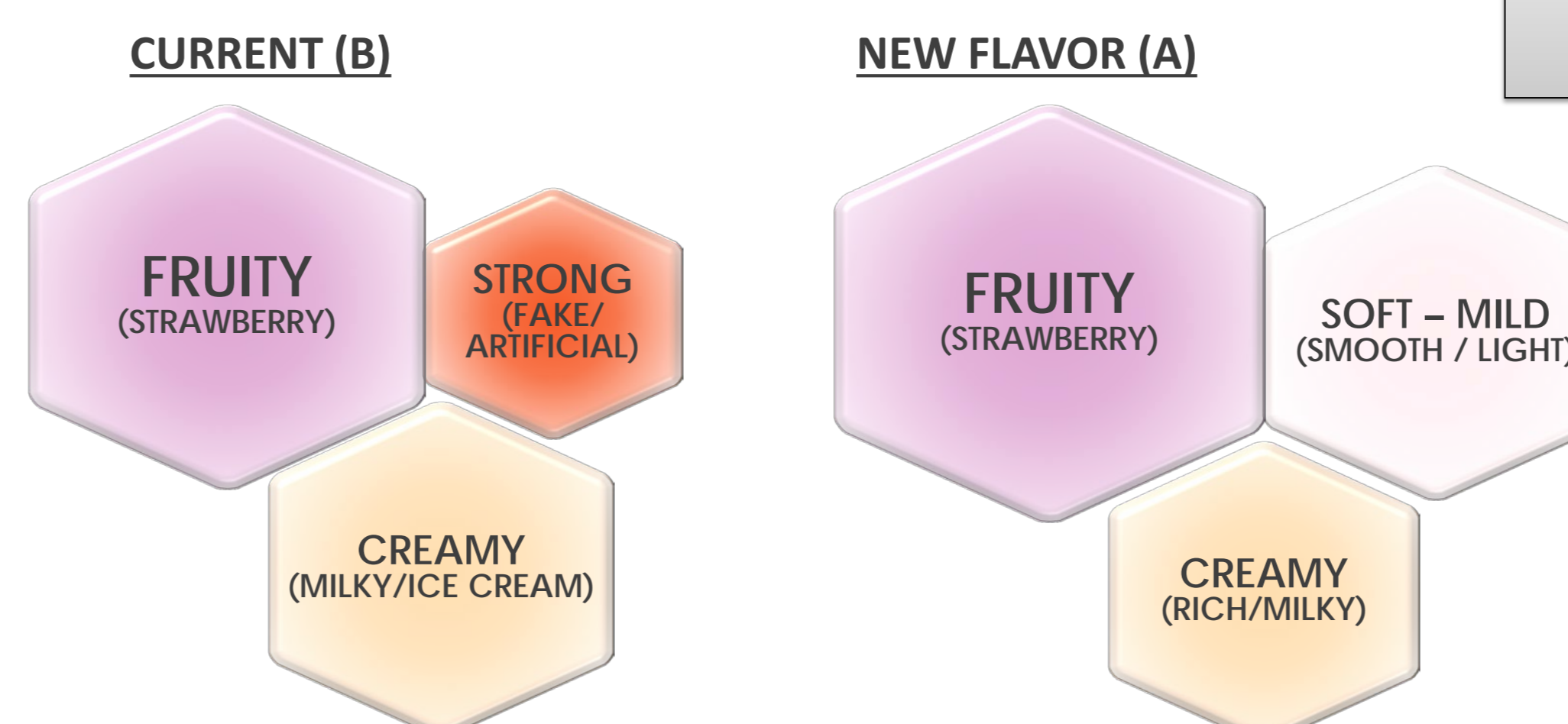
Product A scored highest across both product and emotional attributes, netting it the highest score.

All were perceived as tasty and satisfying while Product A gave the sense of health and comfort putting it on top.

Product A is perceived as tasty, healthy, delicious, and refreshing. It is not seen as interesting, wholesome, disgusting, or boring. Consumers felt satisfied, comforted and pleased. They did not feel powerful, strong, invigorated or annoyed.

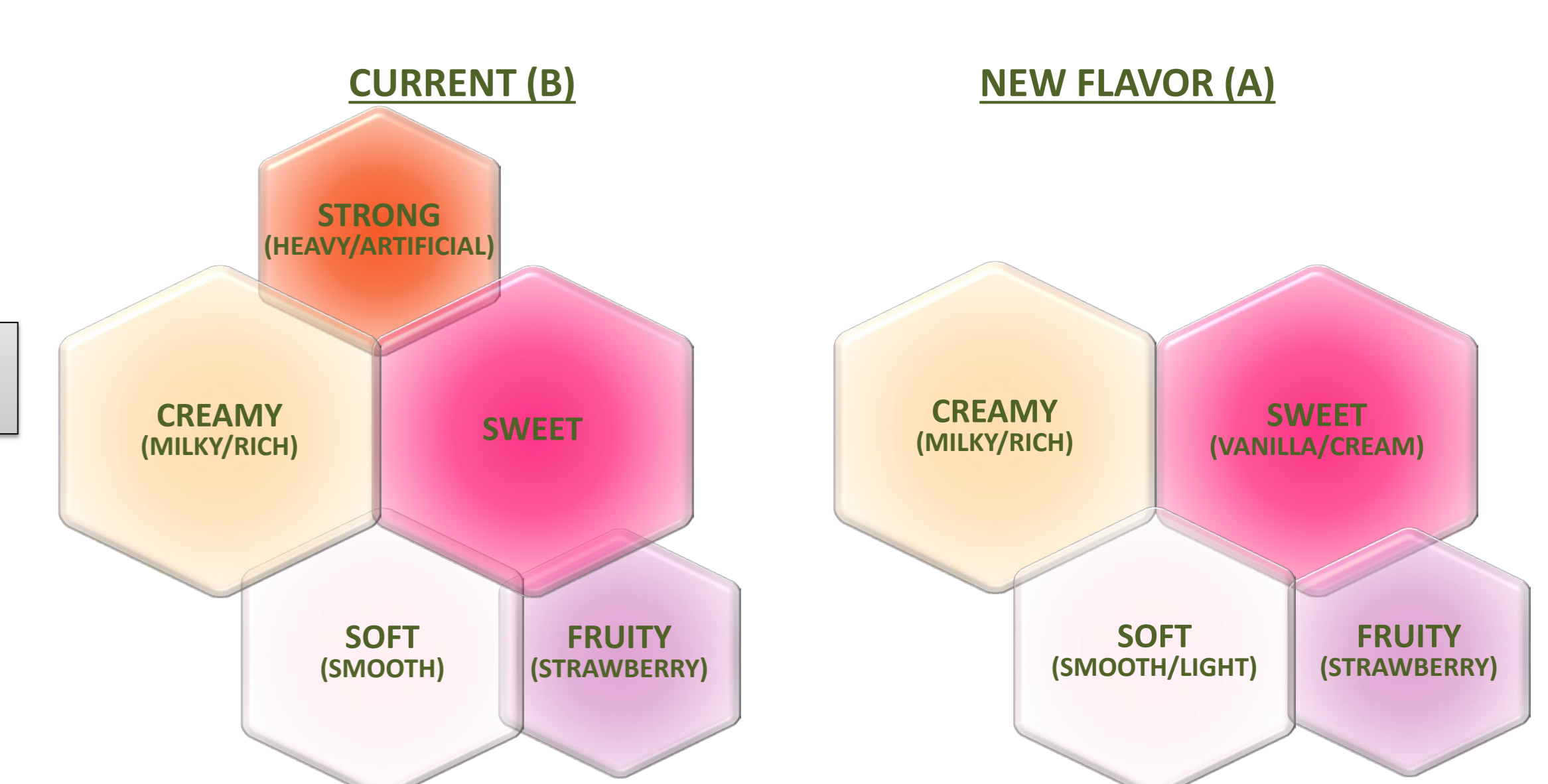
Phase 2

Sensorial Comparison of CURRENT and NEW FLAVOR - Smell



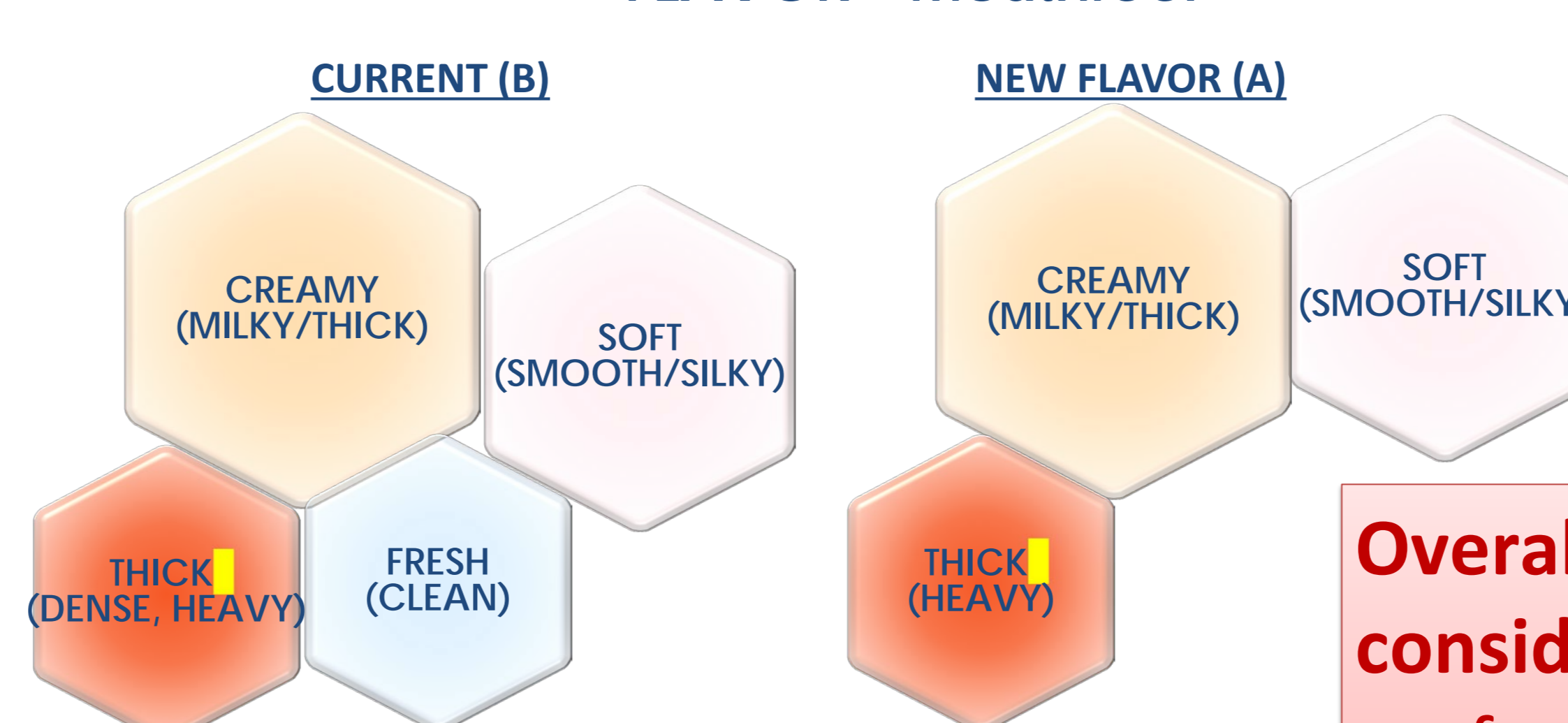
The smell of CURRENT is highly liked with its Fruity/Creamy profile, however there is a Strong facet with a fake/artificial undertone (which was not always perceived as negative). The smell of NEW FLAVOR is moderately liked, yet NEW FLAVOR lacks the artificial aspect and is more soft and mild.

Sensorial Comparison of CURRENT and NEW FLAVOR - Taste



Overall, both CURRENT and NEW FLAVOR have balanced bouquets of flavors pertaining to the positive attributes of Creamy/Sweet/Soft/Fruity. However, some felt CURRENT had a Strong Heavy and Artificial element to it that was not found in NEW FLAVOR.

Sensorial Comparison of CURRENT and NEW FLAVOR - Mouthfeel



Both CURRENT and NEW FLAVOR have a similar Creamy, Soft mouthfeel. CURRENT is somewhat more polarizing with some respondents saying that it is Thick/Dense and others saying that it has a Fresher feeling. NEW FLAVOR also has perceptions of being somewhat Thick and Heavy, which some liked.

Overall CURRENT and NEW FLAVOR are the strongest versions to consider. For key sensorial measures, CURRENT and NEW FLAVOR perform similarly, although CURRENT was somewhat more polarizing. NEW FLAVOR has strong appeal among both users and non-users on most key sensorial measures.

Applied Consumer Neuroscience

