

Sensory Acceptability of Fruit Juice Salad Dressings

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The main objective of this paper was to investigate the acceptance and purchase probability of 7 salad dressings based on fruit juices. All dressings contained 20% of sunflower oil, but differed in the amount and the type of fruit juices (commercially available grapefruit, pineapple and cherry juices and hand squeezed juices of red and yellow grapefruit). All salad dressings were produced according to a full factorial design. Sensory attributes such as appearance (bubbles), odour (intensity, acid odour, fruit odour), taste/flavour (saltiness, sourness, sweetness, bitterness, after taste), texture/mouthfeel (fattiness), texture with spoon (thickness) were performed by 9 trained panellists on the 9-point scale (from 1=the least to 9=the most). The 5-point scale method was used for the evaluation of the overall acceptability of dressings. Since the panellists mainly did not determine considerable differences in the overall acceptability as well as in the majority of sensory attributes, all the samples were further assessed by the consumers. The consumers were asked to smell and taste the samples and rate them according to their preference of its odour, taste and colour using the 9-point hedonic scale (from 1=dislike extremely to 9=like extremely). The results were not in accordance to those from the panellists. The consumers graded somewhat better all the samples, namely odour and taste as dislike slightly to like slightly and colour as like slightly to like moderately, whereas panellist graded the overall acceptability as poor to fair. More than 50 % of the consumers said that 2 salad dressings (with commercially available pineapple and cherry juices) were desirable for purchase, whereas only 15 % of the consumers would buy salad dressing with commercially available grapefruit juice.