TWO-OUT-OF-FIVE TEST TO SOFT DRINK FLAVOR COLA

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Called soft drinks as non-alcoholic drink, carbonated with carbon dioxide (CO₂) and some form of syrup, whose function is to enhance the color and taste characteristic of the product. Brazil is a very important producer and consumer of these drinks. Two-out-of-five test is a discriminatory test, where the panelists receive five samples, two identical and three different. The probability of correctly choosing the correct two samples from five by chance alone is equal to 1/10. Soon it is a major advantage of this test, because of the larger statistical efficiency. However, the disadvantages of method are the possibility of sensory fatigue and memorization. This work was aimed at evaluating four brands of soft drinks flavor cola marketed in Brazil by overall acceptance and were evaluated the brands Pepsi Cola, Frevo Cola, Coca-Cola Traditional and Coca-Cola Zero. An untrained panel of 17 panelists performed the evaluation of the samples, but all panelists were students or teachers of courses in the area of food science. Each panelist received an evaluation form, five samples of soft drink flavor cola coded with three digit random and water to perform cleaning of the taste buds between samples. In this test, ten panelists were able to evaluate correctly the samples. According the table of the Two-out-of-five Test in Sensory Analysis of the ABNT NBR 13151:1994 may conclude that there are differences between the soft drinks flavor cola at a significance level of 0.1%.