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Production and Characteristics of Banga Sauce, A Concentrated Oil Palm Fruit Mesocarp Juice

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ABSTRACT

Concentrated oil palm fruit mesocarp juice (Banga sauce) is consumed by Africans especially those from Nigeria, Ghana, Ivory Coast and Sierra Leone. Oil Palm mesocarp juice was extracted from oil palm fruit by sterilization of the fruit, digestion, pressing and Lactobacillus and Bacillus while the isolated fungi were Pencillium pinophilum, Penicillium italicum and Aspergillus tamarti. These microorganisms were absent in the first seven months but rose up to 7 and approximation. 0.31% respectively and were fairly constant throughout the period of study. There were also no significant (p<0.05) increases in free fatty acid content (2.87 \pm 0.03%) and 30% proportions respectively. Storage studies for seven months showed that the oil, moisture, protein and ash contents were $30\pm0.75\%$, $20\pm0.15\%$, $8\pm0.05\%$ and $4.12\pm0.05\%$ that it contains carbohydrates, carotenes, fats and oils in 35%, 210ppm/100g sauce, and w/w fresh fruit bunch was packaged as banga sauce. Analysis of the banga sauce showed evaporation. About 6.6% w/w fresh fruit bunch was recovered as palm oil while 20.4% fungi population was 12×104 APC/mL in the twelfth month. Banga sauce production is first seven months but rose up to 7 x 104 APC/mL for the bacteria population and the economical and will add value to fresh fruit bunch milling and provide a food resource peroxide value (2.32 \pm 0.04meq/kg). The average plate count of isolated bacteria and rich in energy and vitamins

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