

ABSTRACT

vitamine, Calcium-d-Pantothenate is dominant at 11.0mg/Kg.

The fruit of Martinezia caryotaefolia is eaten mainly for the pulp. It is consumed as a delicacy in the ripe state.

The pulp is rich in Vitamin A (466 RE/g), Vitamin E (790 mg/Kg) and Vitamin C (200 (mg/Kg). It contains 16.4% available carbohydrate, 76.4% moisture and 6.41% protein in which is present seven essential amino acids at the following levels : Iso-Leucine (3.46%), Leucine (6.46%), Lysine (3.21%), Methionine (1.36%), Phenylalanine(3.47%), Threonine (4.81%) and Valine (4.51%). The metallic elements Calcium, Potassium, Magnesium, Sodium and Zinc are also present.

The kernel contains 46.8% fat which is rich in Lauric Acid (55.9%) and Myristic Acid (26.6%). It contains the fat soluble Vitamin E at 507 mg/Kg.

The meal (kernel after fat extraction) has 8.8% available carbohydrate and 10.28% protein containing seven essential amino acids at levels of: Iso-Leucine (2.97%), Leucine (5.52%), Lysine (4.57%), Methionine (1.52%), Phenylalanine (3.63%), Threonine (3.20%) and Valine (4.29%). Two B-Vitamins are present- Riboflavine at 0.20 mg/Kg and Pyridoxine at 5.96 mg/Kg. Of the other water soluble

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vitamins, Calcium-d-Pantothenate is dominant at 11.0mg/Kg. The minerals present are Calcium, Iron, Potassium, Magnesium, Sodium and Zinc.

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The overall fruit has nutritional significance when compared with other yellow-pulped fruits of the Caribbean area.

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