

PI-100-03

INKACamuCamu



High Concentration of Natural Vitamin C

INKA CAMU CAMU is a unique Natural Ingredient, preservative free; organic certifiable, extracted from Amazonian Camu camu fruit, one of the richest natural sources of Vitamin C, that provides to the skin an important antioxidant capacity against free radicals, one of the causes of its premature aging.

INCI Denomination: Propanediol (and) Water (and) Myrciaria Dubia Fruit Extract



Description:

The camu camu is a fruity shrub that grows wild or cultivated in the flood banks of the low Amazon Rainforest. Its small fruits, with a pink to purple color and with pleasant odor are rich in L-ascorbic acid (vitamin C), essential for the formation and protection of collagen, and in anthocyanins, antioxidant phenolic colorant agents.

The free radicals are chemical agents provided with a potent oxidant capacity. The free radicals occur normally during the metabolism. The immunological system of the body also creates them to neutralize virus and bacteria. Other sources of free radicals and oxidative tensions include environmental factors such as pollution, cigarette smoke and certain pesticides. Vitamin C (L-ascorbic acid) is one of the most important antioxidants in the body fluids and the skin since it safeguards many molecules essential in the body, such as proteins, fats, carbohydrates and nucleic acids (DNA and RNA) from the damage due to free radicals.

Vitamin C limits the damage induced by ultraviolet (UV) light exposure. Vitamin C is not a "sunscreen" because it does not absorb light in the UVA or UVB spectrum. Rather, the antioxidant activity of vitamin C protects against UV-induced damage caused by free radicals.

Ascorbic acid also intervenes in the synthesis of collagen, protein that constitutes 70% of the dermis and provides to it strength and flexibility, stimulating its formation.

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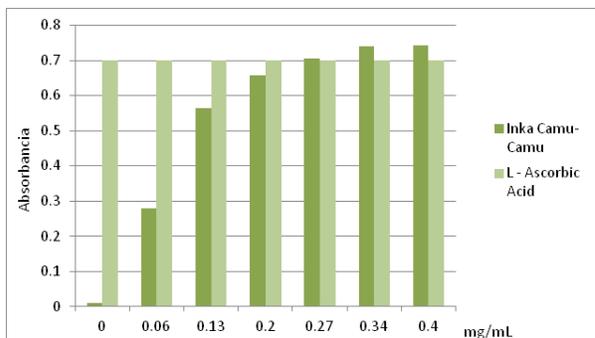


Fig 1: Reducing power of INKA CAMU CAMU AND L-ASCORBIC ACID

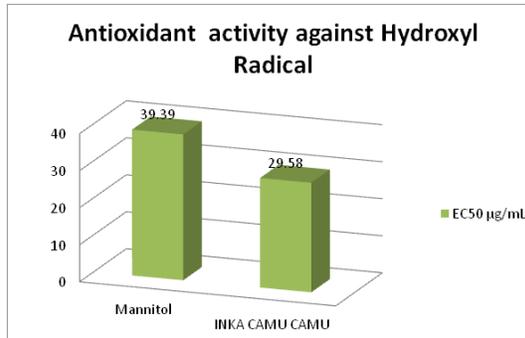
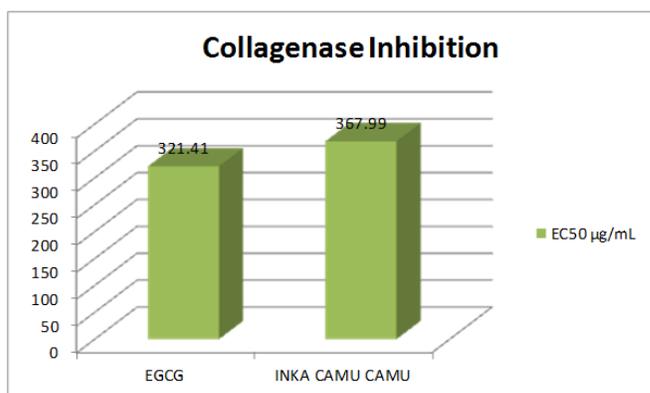


Fig 2: Antioxidant activity against Hydroxyl Radical



The INKA CAMU CAMU has demonstrated that it has an antioxidant activity very important against the free radicals pernicious for the integrity of the skin besides protecting it against the degradation of the collagen fibers, responsible for the support tissue of the skin.

Cosmetic Application:

- Anti-aging products
- Sunscreen products
- After sun products

DOSE OF USE:

From 1 to 10%.

SOLUBILITY:

Water-soluble.

PREPARATION:

Product sensitive to light, humidity and contact with iron. Preferably, it will be incorporated into the preparations at the end of the manufacturing process and below 35°C.

We provide our best knowledge about the subject; however, the user will have the responsibility to ensure the stability of the formulation by performing the necessary tests.

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