

The second skin - Promoter of collagen formation

INKA DRAGO is a unique Natural Ingredient, preservative free, organic certifiable, obtained from the resin of the Croton Lechleri tree, used by the Amazonian natives since ancestral times for its great healing power. At present, it is used in the cosmetic industry because it has very good immunomodulatory, anti-inflammatory and antioxidant effects, which fight the effects caused by the free radicals.

INCI Denomination: Propanediol (and) Water (and) Croton Lechleri Sap Extract

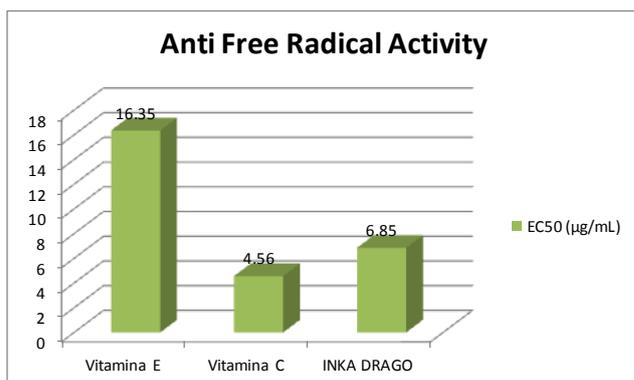


Description and Traditional Uses

The *Croton lechleri* is an Amazonian tree that exudates a latex of red wine color giving the sensation that the tree is bleeding. Dragon's Blood has been used since immemorial time in Peruvian traditional medicine. The earliest references date to the year 1600 when the Spanish naturalist and explorer P. Bernabe Cobo. He explained how the indigenous Jivaros applied the sap to stop bleeding, accelerate healing, and to seal and protect the skin from possible infections.

INKA DRAGO has several benefits that can be used at cosmetic formulations: the most documented are the anti-inflammatory and wound-healing effect, thanks to its high content in Taspine, 3'-4-O dimethylcedrusine and the polyphenols (catequins and proanthocyanidins). All the mentioned phytochemicals play an important role in the cosmetic activity of this extract. It seems that there is a synergic participation between all the compounds, to have a better final effect.

INKA DRAGO could be used to support skin repair and regeneration, and fight the effects of aging. Moreover, improves the barrier function, acting as a "second skin".



INKA DRAGO has shown an important scavenging activity, with an EC50 of 6.85 ± 2.28 µg/mL (n=3), superior than the one of Vitamin E (16.35 ± 2.71 µg/mL) and a little low than the one of Vitamin C (4.56 ± 1.03 µg/mL).

PI-100-02

INKADrago



Properties of the plant

Collagen formation, wound healing
Immunomodulatory
Antioxidant

Hair follicle growth, hair renovation

Related Phytochemicals:

Taspine
Catechins and proanthocyanidins
Polyphenols (Proanthocyanadins),
Alkaloids (Taspine)
Polyphenols (Proanthocyanadins)

Cosmetic application

- Formulations with Anti Free-Radicals activity. Premature aging prevention.
- After sun or sensitive skins formulations. Protective treatments
- Treatments for pregnancy and after-birth products
- Products to increase skin elasticity
- Men's Skin Care Treatments

Dose of use – Solubility – Preparation

DOSE OF USE: From 1 to 5%.

SOLUBILITY: Water-soluble.

PREPARATION: INKA DRAGO is compatible with most of the raw materials commonly used in the cosmetic industry. Preferably, it will be incorporated into the preparations at the end of the manufacturing process and below 40°C.

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