

## Natural Elastin Protection

INKA TOCHE is a natural ingredient original from the Peruvian Amazon region obtained from cat's claw vine, with ancient knowledge of use to heal deep wounds and as anti-inflammatory. The Cat's Claw is also used to remove the disturbances between the spirit and the body, which are the major causes of the diseases.

**INCI Denomination: Propanediol (and) Water (and) Uncaria Tomentosa Bark Extract**

### Description:

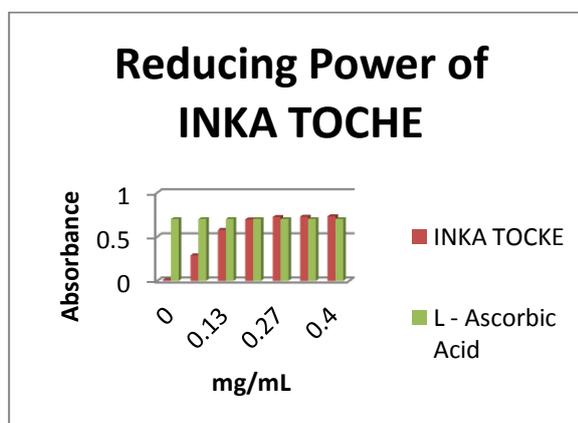
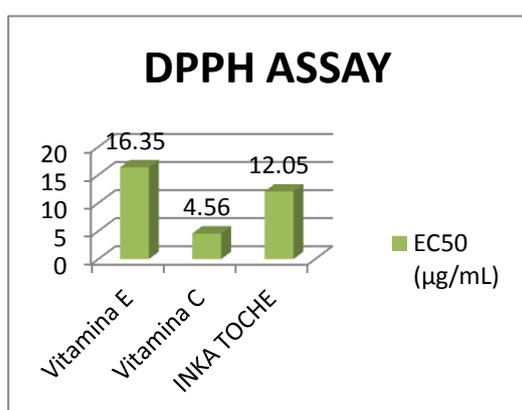
Cat's claw is indigenous from the Peruvian Amazon Rainforest. It is a woody liana, native to the banks of the Upper Amazon, forests with plenty of sunlight, between 300 and 800 meters above sea level.



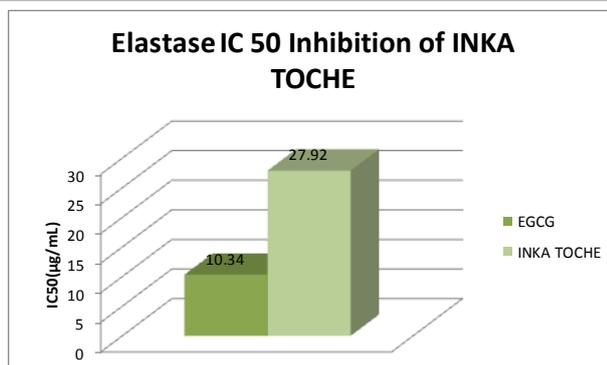
The Cat's Claw plant (*Uncaria tomentosa*) has been used medicinally by the native tribes of the Peruvian Amazon at least for 2000 years to heal deep wounds, for skin impurities, for arthritis and to control inflammations, among other illnesses.

The cosmetic effects provided by the cat's claw are: **Antioxidant** - facilitates the elimination of the free radicals responsible for cellular aging; **nutrient and regenerative** - helps to recover the natural color of the skin, to eliminate spots and to clean acne; **Anti-inflammatory, immunomodulatory and cytoprotective.**

The *in vitro* assays were chosen to reflect the types of damage caused by radical scavenging in skin-ageing and to find activity INKA TOCHE which might counteract this damage. Hence, the anti-elastase of the extract was also evaluated along with the anti-oxidant efficacies observed in the DPPH and Reducing Power assays.



**INKA TOCHE has shown an important scavenging activity**, with an EC50 of  $12.05 \pm 0.47 \mu\text{g/mL}$  ( $n=3$ ), superior than the one of Vitamin E ( $16.35 \pm 2.71 \mu\text{g/mL}$ ), **shows a remarkable Reducing Power and a very good anti-elastase activity.**



## CONCLUSION

INKA TOCHE is a novel innovative **Natural Ingredient with Traditional Knowledge** of use and studies that confirmed its employ over centuries. Degradation of elastin fibers is characteristic of chronologically and photodamaged skin aged skin and INKA TOCHE could be **use in cosmetic products in a new way for defense against cellular oxidation and elastin degradation, protecting the skin from premature aging.**

INKA AKECH is indicated for:

- Rain Tree Forest based cosmetic concepts
- Inflamed skin conditions
- After sun care
- Anti-ageing care
- Hair Care: volume, gloss and fortifying hair care.

At present, more than 50 phyto-chemicals have been identified; however, there are three kinds of compounds that play an important role in the activity of the Cat's Claw. These are: tetra and pentacyclic oxyindole alkaloids, quinovic acid glycosides, and polyhydroxylated triterpenes

### Properties of the Plant:

Anti inflammatory  
Antioxidant  
Elastase inhibitor

### Related Phytochemicals:

Quinovic acid glycosides, oxindole alkaloids  
Tannins  
Polyphenols

**DOSE OF USE:**

From 1 to 10%.

**SOLUBILITY:**

Water-soluble.

**PREPARATION:**

Product sensitive to light and humidity. Preferably, it will be incorporated into the cosmetic 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.*