

PI-100-07

INKAAKECH



Natural Protection for Oily Skin

INKA AKECH is a natural ingredient original from the Peruvian Andes, with ancient knowledge to be used as skin cleanser. It contains a series of chemical compounds that help in the improvement of oily skin.

INCI Denomination: Propanediol (and) Water (and) Schkuhria Pinnata Extract

Description:



This annual herbaceous plant grows in the Andean region between 1000 and 3000 meters above sea level. It is found as wild herb and is traditionally used in treatments for skin cleansing through the improvement of blood circulation. Canchalagua is the Peruvian name given to this plant by the Ketchwa indigenous people of the Andes. The canchalagua has been traditional used by the natives to treat skin problems caused by toxins, such as dermatitis, eczema and acne.

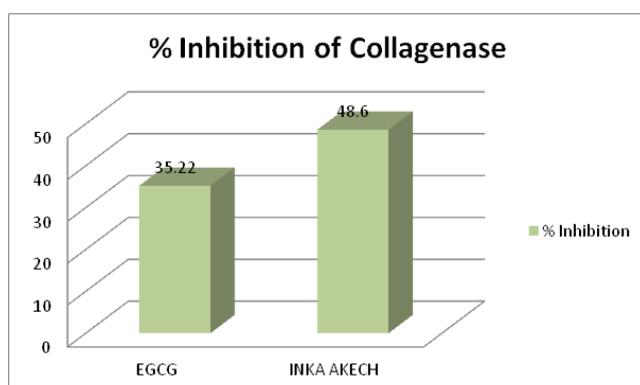
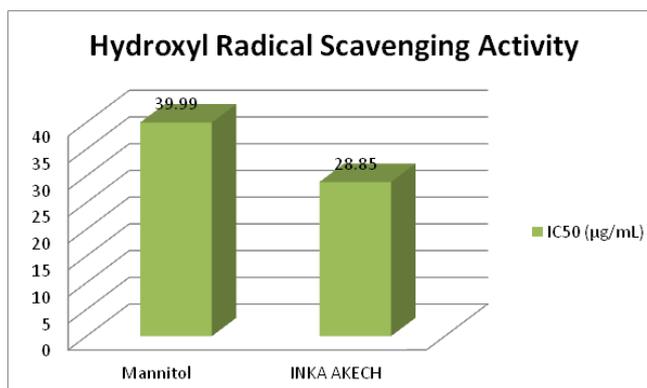
Oils produced by the body help keep skin healthy, but there can be too much of a good thing. Excess oil can lead to blemishes and acne flare-ups. Experts link the cause of oily skin to the increased production of hormones, especially during puberty. But fluctuations in hormone levels can change even after puberty. Menstrual cycles, stress and emotional state can influence hormonal changes that contribute to oily skin. In addition to hormones, there is a hereditary component to having oily skin.

Antioxidants also play an important role in preventing black heads and acne. Consistent antioxidant use has long been known to strengthen body's natural resistance to sickness and infection by bolstering the immune system, but it can also play positive a role in helping to treat and prevent skin ailments, such as acne.

Oily skin has to be protected against free radicals generated by sun radiation. Among themselves, the hydroxyl radical plays a significant role in the damage caused by the UV radiation and is more reactive towards the damage of the cellular constituents compared to the hydrogen superoxide and peroxide radicals.

As well oily skin must be protected against collagen degradation. Collagen fibers are structural proteins located in the Dermis that together with elastin, form a network conferring to the skin firmness and elasticity that characterizes it in young skins. As we age, the ability of the skin to renew these collagen fibers decreases and the skin starts losing its firmness, and the wrinkles begin to appear.

We examined the antioxidant capacity of INKA AKECH and as a result it has shown an interesting **hydroxyl radical scavenger potential; 27.85% higher than the standard Mannitol**



We analyzed also the inhibitory activities of INKA AKECH on collagenase from *Clostridium histolyticum* to establish its potential against skin inflammation and photoaging.

INKA AKECH shows a **very important activity inhibiting collagenase, 48.60%** even more than EGCG.

CONCLUSION

INKA AKECH is a novel innovative **Natural Ingredient with Traditional Knowledge** that could be **use in cosmetic products for defense against cellular oxidation and collagen degradation, protecting oily skin from premature aging.**

INKA AKECH is indicated for skin and hair care, especially for oily skins prone to blackheads and acne.

Properties of the Plant:

Soothing
Antibacterial

Related Phytochemicals:

Sesquiterpene lactones
Sesquiterpene lactones

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.