

# nano ageless complex



## Instant Action Anti-Aging

**Active Ingredients:** Hyaluronic acid and Clay minerals.

**Nano Ageless Complex** is a finished product for the eye area that instantly soothes wrinkles, expression lines and under-eye bags, providing a more youthful appearance. Developed using the exclusive Nanovetores technology, the product is more than an instant disguise, it proposes a treatment with real increase in skin firmness. Nano Ageless Complex consists of clay minerals and hyaluronic acid nanoparticles. Due to its natural characteristics and the non-existent chemical aggression to the skin, it can be used daily, also providing in a continue use a decrease in wrinkle depth and expression lines.



### Features

**Aspect:** Brown-colored viscous gel.

**pH stability:** 6,0 to 8,0

**Particle:** Biopolymer

**Release Trigger:** Enzymatic



### Atributos

- Nanotechnological product
- Elegant sensorial experience
- Instant action
- Long-term benefits
- Allows makeup use
- Safe application
- Doesn't crack
- Neutral pH



### Usage Indication

Nano Ageless Complex is suited for all skin types. Its best performance occurs when applied on clean skin before makeup, on the lower eyelid, from the inner corner of the eyes to the crow's feet.

## Description

**Nano Ageless Complex** is a finished product composed of nanoencapsulated hyaluronic acid and clay minerals (magnesium aluminum silicate, zeolite and kaolin) that operates in two different and synergistic ways.

The first action, also called immediate tensor effect or "Cinderella effect", takes place 90 seconds after application, and such action is due to the presence of clay minerals like magnesium aluminum silicate, responsible for tensor effect; zeolite, which provides a matte effect on the skin; and kaolin, which has antioxidant action and also the function of adjusting the products color. During this phase, it can be noticed wrinkle and expression lines reduction, this effect lasts from 4 to 6 hours. The durability of the "Cinderella effect" may vary according to the facial expression of the user, i.e., on those with a strong facial expression, the effect may last less than on people with a subtler facial expression.

The second action, called long-term effect, is due to the presence of active components in the composition. Hyaluronic acid is a linear, natural polymer belonging to the class of non-sulfated glycosaminoglycans. This is the major component of the extracellular matrix of the dermis. Extrinsic skin aging or photoaging is associated with changes in the expression of hyaluronic acid and its enzymatic metabolism. Hyaluronic acid is one of the most hygroscopic molecules in nature, which provides a high moisturizing capability. It offers antioxidant effect, acting as a free radical-sequestering agent, increasing the protection of the skin regarding UV radiation and contributing to increase tissue repair capacity <sup>(1)</sup>.

A study evaluating the efficacy of topical preparations (lotion, serum and cream) of nanoencapsulated hyaluronic acid with low molecular weight in the treatment of wrinkles, skin hydration and elasticity, in 33 women with an average age of 45 over a period of 8 weeks, clearly demonstrated a decrease of wrinkle depth (up to 40%) and increased skin hydration (up to 96%), also, the skin firmness and elasticity were increased significantly (up to 55%) after eight weeks, with satisfactory results since the second week <sup>(2)</sup>.

The brown color of the product does not affect the natural color of the various existing skin tones. Nano Ageless Complex was developed by combining high technology and natural raw materials, achieving outstanding results.

## Use Protocol



1

Place an amount of Nano Ageless Complex equivalent to half a grain of rice on the tip of the finger.



2

Apply on the lower eyelid, depositing the product evenly on the skin with gentle patting.



3

Allow to dry for about 90 seconds.



4

Avoid facial expressions in the region until completely dry.

## References

1 - VOLPI, N. et al. Role, metabolism, chemical modifications and applications of hyaluronan. *Curr Med Chem*. 16(14):1718-45, 2009.

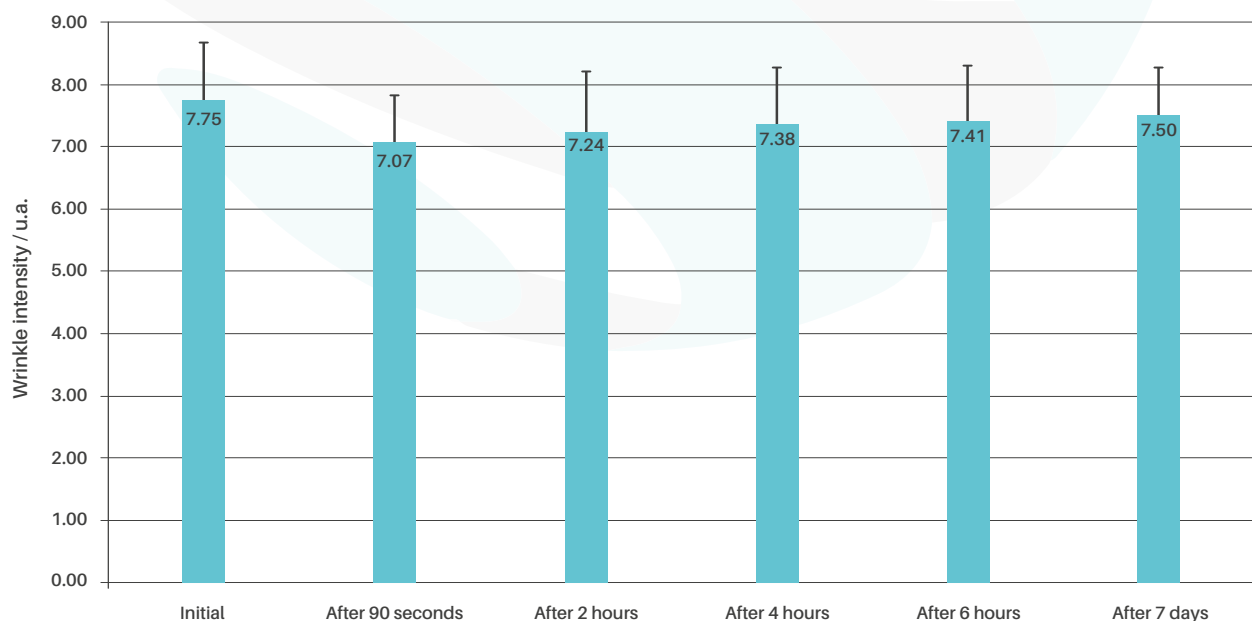
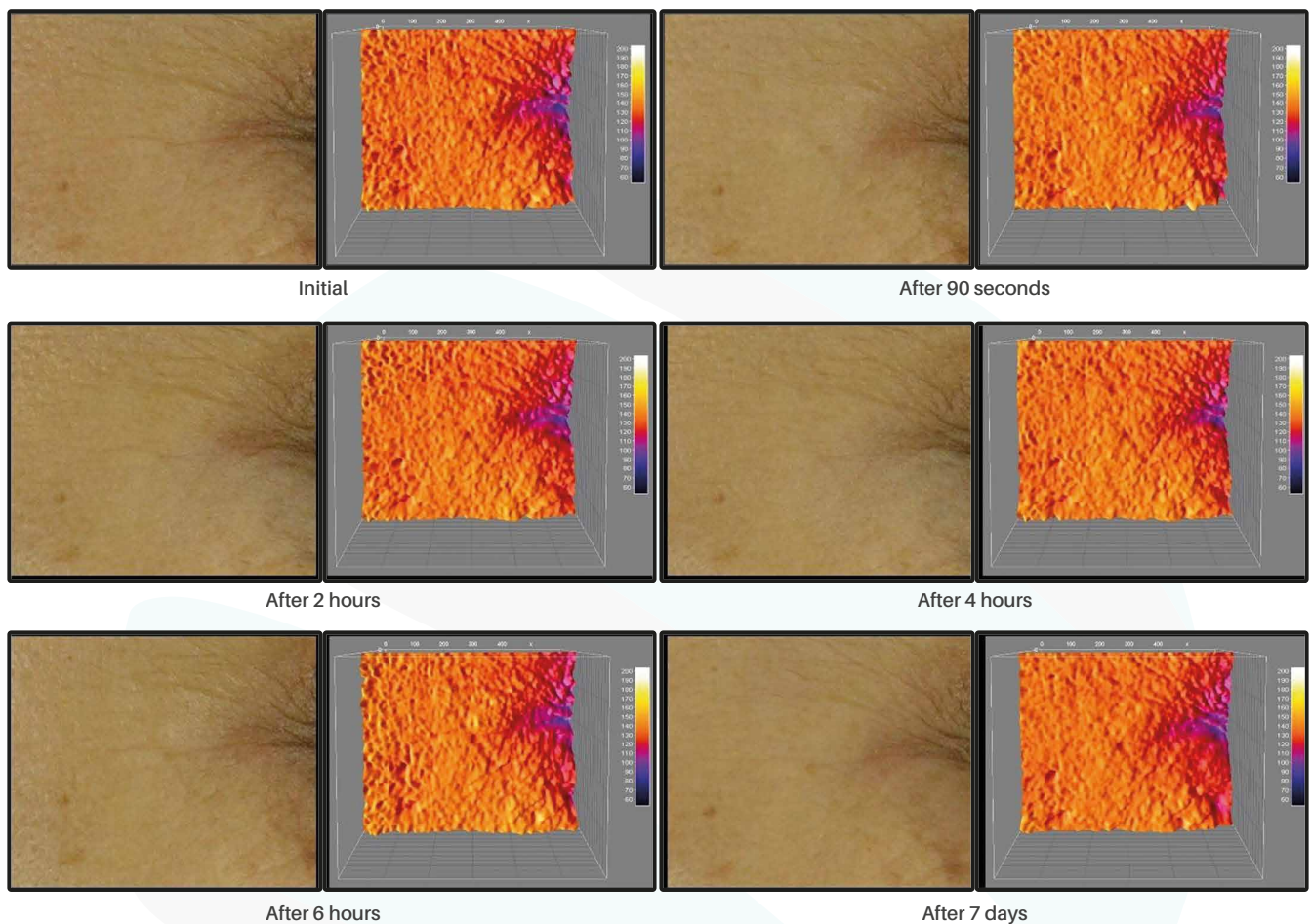
2 - JEGASOTHY, S. M., ZABOLOTNIAIA, V., & BIELFELDT, S. Efficacy of a new topical nano-hyaluronic acid in humans. *Journal of Clinical and Aesthetic Dermatology*, 7(3), 27-29, 2014.

## Effectiveness Test

Nano Ageless Complex has been clinically tested for its safety and efficacy in an accredited laboratory.

**Efficacy:** A study was conducted to evaluate the effectiveness of the product in the reduction of wrinkles and expression lines. The evaluation was carried out through the analysis of photographic images.

**Security:** The product was evaluated for Primary and cumulative Skin Irritation, and Skin Sensitization.



**Conclusion:** The product provided immediate soothing, with effects up to 6 hours, of the wrinkles and expression lines, at the same time that its continued use has served effectively in reducing them in the long term. The evaluated product has been considered safe for topical use.

## Regulatory information

INCI NAME	CAS NUMBER
AQUA	7732-18-5
MAGNESIUM ALUMINUM SILICATE	1327-43-1
PROPYLENE GLYCOL	57-55-6
HYALURONIC ACID	9004-61-9
ZEOLITE	1318-02-1
KAOLIN	1332-58-7
PHENOXYETHANOL	122-99-6
CAPRYLYL GLYCOL	1117-86-8

## Physical-Chemical Information

PHYSICAL STATE	GEL
FORM	VISCOUS
COLOR	BROWN
ODOR	CHARACTERISTIC
pH	6.0 TO 8,0
CHARACTERIZATION	BLEND
DENSITY CHEMICAL	0.9 TO 1.1 g/ML
IDENTITY	INORGANIC/ORGANIC

\*As it contains natural active ingredients, the product may change in color and odor.



### STORAGE:

ROOM TEMPERATURE BETWEEN 20 AND 25°C.

## Nanovetores Encapsulation Technology



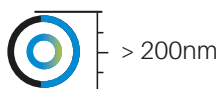
**Multifunctional Biopolymer Particles** that promote skin firmness.



**Active Ingredient Protection** against oxidation resulting from interaction with external environment and other components of the cosmetic formulation.



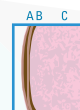
**Monodispersity** that ensures control of the particle size, providing adequate permeation to its proposed action.



**Secure Particles** larger than 200nm, biocompatible and biodegradable.



**Enzymatic Specific Release Trigger**, in which the enzymes present in our skin promote the degradation of the capsule, releasing the active ingredient.

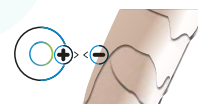


Active ingredient deposition when applied freely



Greater permeation of the active ingredient when encapsulated

**Greater Permeation** on the contact surface due to the small size of the capsule.



**Charge Surface Control** of the particle, promoting greater affinity with the contact surface.



**Water Base.** Active ingredients are manufactured without the use of organic solvents, ensuring safety for users and the environment.