

# nano luminous eyes



## Restorative Action for Dark Circles and Under-eye Bags

**Active ingredients:** Essential oils of Mandarin, Salvia and Palmarosa, Arnica Montana and Chamomile oils.

Nano Luminous Eyes is a blend of active ingredients encapsulated in lipid particles with particle diameter larger than 200nm. The encapsulation through the technology developed by Nanovetores allows the stabilization of sensitive components, therefore, complex of being formulated in their free form. This active ingredient have strong moisturizing, anti-inflammatory, depigmenting action and acts on the cellular regeneration of the skin. Its natural characteristics grants safety on its daily use, promoting the repair of dark circles and bags of the eyes area.



### Features

**Aspecto:** Milky liquid from yellow to cream.

**Usage Concentration:** 0.5 to 5%

**pH Stability:** 3.0 to 7.0

**Dispersibility:** Water dispersion of encapsulated active ingredients.

**Particle:** Lipid

**Release Trigger:** Enzyme



### Benefits

- Smoothing dark circles
- Suborbital bags reduction
- Hydration
- Depigmentation
- Cell regeneration



### Usage

Gels, gel-cream, serums and emulsions in general.

# Description

Nano Luminous Eyes is a blend of active ingredients encapsulated in lipid particles, the ingredients have properties that ensures moisturizing, anti-inflammatory, depigmenting and cellular regeneration action. It is indicated for use in dark circles and bags in the suborbital region, because it acts in the regeneration of the area.

Mandarin Essential Oil is a multifunctional oil whose composition rich in monoterpenes, among them d-limonene, has potent action in unblocking blood vessels<sup>(4)</sup>. The flavonoids of mandarin oil have a powerful antioxidant action, helping to combat aging. Another activity of these flavonoids is the ability to inhibit the tyrosinase enzyme, which promotes a whitening effect of the skin, smoothing the skin tone<sup>(5)</sup>.

Palmarosa Essential Oil is rich in geraniol, a substance capable of toning and moisturizing the skin and stimulating cellular regeneration, as well as acting as an anti-inflammatory<sup>(3)</sup>.

Sage Essential Oil has high antioxidant power, which guarantees the protection of the skin against the action of free radicals<sup>(1)</sup>. In addition, the oil is rich in essential fatty acids (Omega 3 and 6), which are important for the integrity of the phospholipid membrane, which acts on repair, healing and cell growth. Sage also stimulates mitosis at the epidermal level, which helps to reduce wrinkles and expression lines. The soothing effect of Nano Luminous Eyes is due to the linalyl and linalool acetates present in Sage Oil<sup>(1)(2)</sup>.

The combination of oils ensures a progressive reduction of dark circles, under-eye bags, wrinkles and expression lines. The blend acts synergistically in three of the main problematic aspects that cause the dark circles, ensuring excellent results.

## Regulatory Information

INCI NAME	CAS NUMBER
AQUA	7732-18-5
OLEIC ACID	112-80-1
STEARIC ACID	57-11-4
PALMITIC ACID	57-10-3
SALVIA SCLAREA OIL	8016-63-5
CYMBOPOGON MARTINI OIL	84649-81-0
CITRUS NOBILIS PEEL OIL	84929-38-4
ARNICA MONTANA FLOWER OIL	68990-11-4
CHAMOMILLA RECUTITA FLOWER OIL	8002-66-2
POLYSORBATE 80	9005-65-6
PPG-15 STEARYL ETHER	25231-21-4
STEARETH-2	9005-00-9
STEARETH-21	9005-00-9
PHENOXYETHANOL	122-99-6
CAPRYLYL GLYCOL	1117-86-8
BHT	128-37-0

## Physical-Chemical Information

PHYSICAL STATE	LIQUID
FORM	MILKY
COLOR	YELLOW TO CREAM
ODOR	CHARACTERISTIC
pH	4,5 TO 6,5
DISPERSIBILITY	WATER DISPERSION OF ENCAPSULATED ACTIVE INGREDIENTS
RELATIVE DENSITY	0.9 TO 1.10 g/ml
CHARACTERIZATION	BLEND

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



### STORAGE:

KEEP AT ROOM TEMPERATURE BETWEEN 20 AND 25 °C



### COMPATIBILITY:

COMPATIBLE WITH GEL, CREAM GEL, EMULSIONS IN GENERAL



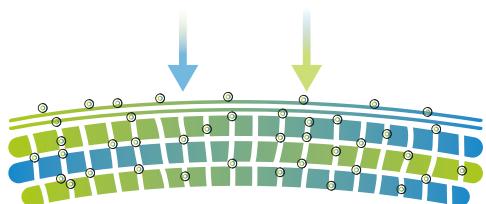
### INCOMPATIBILITY:

ETHANOL AND OTHER ORGANIC SOLVENTS

## References

- 1 - FARKAS P; VAVERKOVÁ S; HOLLÁ M; TEKEL J; MELLEN S. Composition of the Essential Oils from the Flowers and Leaves of Salvia sclarea L. (Lamiaceae) Cultivated in Slovak Republic; Journal of essential oil research. March/April - 2005.
- 2 - SUGAWARA Y; HARA C; TAMURA K; FUJII T; NAKAMURA K.; MASUJIMA T; AOKI T. Sedative effect on humans of inhalation of essential oil of linalool: Sensory evaluation and physiological measurements using optically active linalools. *Analytica Chimica Acta* 365; 1988, pag 293-299.
- 3 - CHEN W; VILJOEN A.M. Geraniol - A review of a commercially important fragrance material. *South African Journal of Botany*. 2010. Article in Press available online at [www.sciencedirect.com](http://www.sciencedirect.com)
- 4 - REMINGTON farmacia 2; 17<sup>th</sup> ed. Buenos Aires: Panamericana, 1987. Salicilato de metilo; pag 1747.
- 5 - BOARD, N. The Complete Technology book of essential oils. ISBN: 8178330660 pag 223-227.

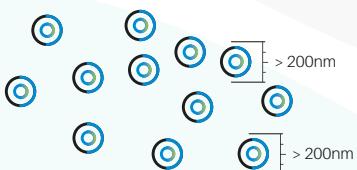
# Nanovetores Encapsulation Technology



**Multifuncional Lipid Particles** that promote hydration and high permeation



**Active Ingredient Protection** against oxidation resulted 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.

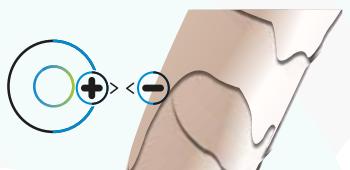


Deposição do ativo quando aplicado de forma livre



Maior permeação do ativo quando encapsulado

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



**Surface Charge 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.

## Use Encapsulated Active Ingredients and Ensure:

### Stability Improvement

Use of sensitive active ingredients (without refrigeration)

### Increased compatibility in the formulation

Increased Solubility

### Occlusion of odors

Prolonged release

### Increased skin permeation

Increased effectiveness

### Reduced dose