

BCN OCULARE - PEPTIDES

Eye Area Advanced Cocktail



The **BCN Oculare** formula has been specifically developed to attack directly the main unsightly manifestations of the eye contour: eye bags, dark circles and emotional wrinkles (crow's feet).

BCN Oculare has been specially designed to be a complete treatment of the eye contour, thanks to the combined and synergic action of the two types of **advanced active ingredients** in its formula: the **new generation peptides** and the classical **non-peptidic** ingredients of Institute BCN.

BCN Oculare achieves spectacular results in this delicate area of the face, returning a fresh, rested, healthy and luminous appearance to the look as a reflection of smooth, soft, turgid and hydrated skin.



Vial | 3 ml | 0,105 fl.oz. | Box of 5 vials

INDICATIONS

The skin of the area around the eyes is one of the most delicate of the body, which is why it can accumulate several unsightly manifestations.

BCN Oculare pursues, with its triple orbicular action, the correction of this three issues:

- Eye bags
- Dark circles
- Emotional wrinkles

ACTIVES COMPONENTS

PEPTIDES

Acetyl tetrapeptide-5

Palmitoyl tripeptide-1

Palmitoyl tetrapeptide-7

NON PEPTIDIC COMPONENTS

Chrysin

Cumarine

Artichoke extract

Ginkgo Biloba extract

Hyaluronic Acid

Vitamin C

Organic silica

N-hydroxysuccinimide

Troxerutin

RESULTS

Thanks to the new generation peptides, **BCN Oculare** achieves:

- **Prepare the skin** to defend against external aggressions.
- **Restore** the skin's **homeostasis**.
- Improve **elasticity** and muscle contraction to contribute to the **emotional wrinkles elimination**.
- **Optimize circulation**, with the consequent **anti-dark circles effect**, and return the **tone to the skin**.
- Enhance the anti-aging action of the other components, such as hyaluronic acid, silica, plant extracts, chrysin and N-hydroxysuccinimide, with action centred on:
 - **Eliminate flaccidity** and **increase turgor** for the treatment of bags.
 - Bring moisture to the periorbicular area, **hydrating it completely**.

APPLICATIONS

EYE CONTOUR Eye bags, dark circles, emotional wrinkles	BCN Oculare - Peptides	3 ml
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BCN Oculare-Peptides can be combined with other active ingredients in facial treatments. Create most appropriate mixture individually for your client's skin problem.

DETAILED INFORMATION

EYE BAGS, DARK CIRCLES AND EMOTIONAL WRINKLES PROCESSES

The thin layer of **skin around the eyes is one of the most delicate and vulnerable of the body** because the **average thickness of this layer of the dermis is five times thinner** than in the rest of the face (which is five times finer than the skin of the body). In addition, it is an area **subject to constant activity** (blinking, expressions and gestures made almost unconsciously), so it tends to distends over time. On the other hand, the orbicular zone **lacks practically of muscles** to sustain it and **sebaceous and sweat glands** that provide hydration to prevent wrinkles. All of this without counting on the fact that due to the **low number of hormone receptors and capillaries present**, the synthesis of collagen and cutaneous repair processes are performed more slowly and the accumulation of toxins and fats is favoured.

For all these reasons **different unsightly manifestations converge in this area** due to age, exposure to external environmental factors and others of internal nature such as fatigue, those related to food or the presence of some health disorders.

The **three main manifestations** are eye bags, dark circles and emotional wrinkles or crow's feet.

Eye **bags** are formed by a loss of tone in the muscle and in the skin of the lower eyelid. Skin becomes flaccid and allows adipose tissue that is naturally around the eyes to move down and accumulate in the form of deposits (bags of fatty origin). They are also the result of fluid retention caused by changes in climate, hormonal factors, excessive salt intake, lack of sleep and rest, allergies, dermatitis and hereditary factors (bags of watery origin).

Dark circles are caused by stagnation of blood due to the slowing down of the circulation and are manifested in such a visible way by the low density of the skin in the orbicular area. The lower elasticity and greater fragility of the capillaries in this area leads to an increase of vascular congestion, which facilitates the leakage of blood and therefore its main component, hemoglobin. Dark circles are nothing more than an accumulation of hemoglobin and its degradation products, released from the corpuscles of blood that escape from small capillaries and explode in the skin. In this degradation process, hemoglobin is divided into its two main components, the heme group and the iron. The degradation of the heme group results in biliverdin (dark green-violet pigment) and bilirubin and iron that give rise to a dark brown to orange-red pigment. The consequence is an **accumulation of iron and poorly soluble pigments and the consequent coloration of the area**.

Emotional wrinkles are due to **internal factors** such as age, skin type and **external factors** such as exposure to cold or sun. With age decreases the production of collagen in the body, responsible for maintaining the shape of the skin and its firmness. **Another mechanism** that leads to the production of these wrinkles is **the global destructuring of the skin** that occurs with age due to the loss of cellular intercommunication of keratinocytes, which are capable of promoting the proliferation of fibroblasts and thereby, increase the production of collagen and the capacity of contraction of the fibres. **Silica** is involved in this mechanism since it stimulates the metabolism of keratinocytes.

BCN OCULARE ACTION ON THE EYE AREA

The main components of **BCN Oculare** are the new generation peptides, which act synergistically with the different **classical active principles** of the formulation for their action against the main unsightly manifestations of the eye contour.

- **Palmitoyl oligopeptides, such as palmitoyl tetrapeptide-7 and palmitoyl tripeptide-1**, promote the production of collagen and hyaluronic acid in the deeper layers of the skin. They also help protect the skin from the sun's ultraviolet rays, adding another layer of protection to the delicate skin around the eyes. In addition, they are related to Dehydroepiandrosterone (DHEA), a hormone that reduces the proinflammatory cytokines Interleukin-6 (IL-6). They consist of a chain of amino acids along with palmitic acid, a fatty acid that allows peptides to penetrate the skin. They are useful against inflammation, one of the main factors responsible for the loss of elasticity and development of wrinkles of the skin due to age. Its mechanism of action is based not only on the reduction of the production of inflammatory substances, but also on the stimulation of skin regeneration. With this, its main action is the reduction of **expression lines**, which according to several studies improve about 60%, and the preparation of the skin to defend against external aggressions. They are also called pro-collagen peptides because they have the ability to send signals to the collagen-producing cells to increase their production, and the hyaluronic acid, and reverse the process of wrinkling, increase the firmness and shape of the skin.
- **Acetyl tetrapeptide-5** has decongestant properties and reduces fluid retention due to its draining and inhibiting effect on the Angiotensin I Converting Enzyme (ACE). These effects, together with their ability to increase the elasticity and smoothness of the skin, result in an improvement of the bags that appear in the periorbicular area due to muscle weakness, sagging or accumulation of fluids by the increase in capillary permeability.

In addition to peptides, **BCN Oculare** has the synergistic action of other advanced actives such as:

- **Hyaluronic acid** (in the form of sodium salt), whose function is the regulation and repair of cell growth, reversing in a **filling action and hydration of the skin**. Improves its texture and shine, providing intense hydration and balance. It also has anti-aging properties, which diminish the appearance of fine **lines and wrinkles**. In addition, it increases **turgor**.
- For the **attenuation and improvement of dark circles**, apart from the palmitoyl peptides, the BCN Oculare formulation contains **N-hydroxysuccinimide (NHS)** and **chrysin**. **NHS** ability to form a complex with iron and facilitate its elimination has been proved *in vitro*. In addition, the NHS accelerates the rate of hemoglobin degradation, causing the dark pigmentation to fade as blood drains. **Chrysin** does the same with bilirubin, by stimulating the expression of an enzyme, the UGT, which is involved in the elimination of bilirubin. The synergy with the two palmitoyl peptides comprises the anti-inflammatory effect by reduction of prostaglandin PGE2 and the reinforcement of the capillaries of the skin, which help to avoid blood leaks from capillaries, reduce vasodilation and capillary bursts and therefore, **prevents dark circles**.
- **Organic silica**, as a complex molecule called **metilsilanol mannuronate**, which upon contact with the skin is separated into two parts and the **silica** is free to exert its action. Restructures the dermis, since it is part of the structure of the connective tissue, so that it is introduced into the small depressions that occur in the skin (**wrinkles, scars, stretch marks**) **filling them**. Silica is an essential component of the skin and **ensures the optimal organization and structure** of it when interacting with the structural and elastic proteins of the dermis such as collagen, elastin and proteoglycans. In addition, it stimulates the metabolism of keratinocytes that favour fibroblasts proliferation. With age, silica deposits decrease, giving rise to the opposite process that leads to a global restructuring of the skin and the consequent formation of wrinkles. Another function of this component is to stimulate lipolysis, enhancing the capacity of the adipocytes to get rid of the fat, which causes a clear reduction of the **eye bags**. This last action is enhanced by the following two plant extracts, strategically contained in **BCN Oculare** formulation:
- **Artichoke extract (Cinara Scolimus)** helps to stimulate the lymphatic drainage system: it improves circulation and has an **anti-edema** effect thanks to its diuretic and vasoconstrictive action that reverts in the direct improvement of the eye bags.
- **Ginkgo Biloba extract** is par excellence the compound with a clear exercise on the capillary circulation and, therefore, with direct action on the improvement of the microcirculation in the periorbital area. The flavonoids contained in the leaves of this plant directly dilate the microcapillaries, contribute to the strengthening of the vessels and the reduction of capillary permeability. This allows, on the one hand, stopping leakage of the vessels and degradation of hemoglobin and, on the other hand, to achieve an **anti-edema** effect. It is a venotonic. In addition, due to its eutrophic action on connective tissue increases the synthesis of collagen.
- **Troxuretin** is a bioflavonoid found in horse chestnut. It has venotonic and vascular protective action. Reduces the fragility and capillary permeability with the consequent anti dark circles effect, additive action to Ginkgo Biloba's.
- **Magnesium ascorbyl phosphate**, sometimes referred to as **MAP**, is used as a substitute for vitamin C in cases of intolerance to ascorbic acid. Topically, it **improves wrinkles, corrects dark circles** and helps maintain a healthy overall appearance of the skin. It is also believed that this process helps promote the generation of collagen. It also has a **protective action against the ultraviolet rays of the sun**. This form of vitamin C is also an effective antioxidant for the skin, increases its hydration levels and improves its elasticity.