

RETIHYAL

Facial Care

Retinol and hyaluronic acid of high molecular weight formulated in biocapsules and liposomes

- High concentration of retinol (0.15%) and hyaluronic acid (1.4MDa).
- Regenerative, intense and long-lasting effects.
- Easy and fast application.
- High skin tolerance.
- Total biocompatibility.
- Exclusive very high-tech product.

ENOC METHOD

At Enoc Cosmetics we believe that the essence of good cosmetics lies in the human body itself and nature. The more the structure of a product resembles the biological structures of our body, the better its assimilation and the greater its efficiency. So we have developed Advanced Liposomes, next generation liposomes created by a bio-analogous process based on the same physicochemical concepts that the human body uses in producing its own cell membranes. The outcome is liposomes which are effective carriers of active ingredients and also cell membrane regenerators.

DESCRIPTION

Skin aging is a process that involves many diverse factors, which can essentially be divided into intrinsic and extrinsic. Mainly, through the production of oxygen free radicals, glycation and other chemical processes of physiological aging, these intrinsic and extrinsic factors are produced and act concurrently, adding to the skin's aging process.

Within the intrinsic processes, we can differentiate between some factors, such as genetic, hormonal and pathological ones - such as inflammatory diseases or diabetes - and within the extrinsic factors, we may include environmental, dietary, working environment or lifestyle.

RECOMMENDATIONS

In order to combat these aging processes and their consequences, we at Enoc Cosmetics have developed Retihyal, which employs two of the main or most important cosmetic active ingredients: retinol and high molecular weight hyaluronic acid - 1.4 million Daltons (MDa). In the formulation of Retihyal, both active ingredients, as well as other complementary and synergistic ingredients, are carried by biocapsules and liposomes, Advanced Liposomes, of nanometric size, giving them great penetration and diffusion in the skin, as well as high activity and effectiveness.

Retinol, as the active ingredient in many cosmetic products, has important antioxidant and regenerative effects. It is used in the treatment of wrinkles, sagging and age spots, as well as other skin processes and pathologies, such as acne, certain types of eczema or psoriasis. Applied topically for cosmetic purposes, their main properties and benefits are increasing the natural production of collagen and elastin. It is therefore used to lessen or improve the appearance of wrinkles, creases, pores and pre-existing marks, as well as preventing the appearance of new fine lines and helping to maintain the natural elasticity and hydration of the skin. Its regenerative power exfoliates the surface or upper layers of the skin, removing dead skin cells, creating a "peeling" effect that promotes the appearance of a new, smoother, younger and finer skin. For acne sufferers, Retihyal reduces imperfections and bumps, lessening marks and smoothing the surface of the skin.

The powerful antioxidant properties of retinol on the lipid phase of cells and tissues protects and prevents the appearance and the damage of oxygen free radicals, responsible for aging the skin. In this way, it acts as a de-pigmentor, eliminating or reducing age spots, and helping to maintain the beauty and freshness of skin, improving its uniformity, brightness and feel and giving the skin a healthy and youthful appearance.

Retinol, as opposed to retinoic acid, allows for longer treatments and has fewer side-effects and complications.

This bio-encapsulated hyaluronic acid, exclusive to Enoc Solutions, hydra-

tes deep-down while firming, restoring and regenerating the skin's tissues. It thus has a filling effect which improves the appearance, characteristics and function of the skin, smoothing out wrinkles and expression lines in general, especially those caused by age, around the eyes, the nasolabial fold and the lips, increasing firmness, tightening up sagging skin and softening expression lines, making the face look much softer, younger and more radiant.

Hyaluronic acid also minimizes the intensity of skin spots caused by hyperpigmentation and photoaging, as well as acne scars, open pores and other skin problems.

Retihyal, in addition to liposomes with retinol and biocapsules of hyaluronic acid, also has liposomes with naturally hydrating active ingredients such as betaine (a sugar deriving from sugar beet), urea and glycerol, which act in synergy with the hyaluronic acid and retinol to strengthen its hydrating and emollient effects.

The phospholipids and natural vitamin E inherent in the liposome sheath and the biocapsules act as protective and regenerating agents for the skin cell membranes, improving their function.

Retihyal has a natural composition and can be applied anywhere on the face and body, even to the delicate eye and lip area. The product is extremely biocompatible and completely bio-assimilable.

CONTRAINDICATIONS

Retihyal should not be used if you are sensitive or allergic to any of its ingredients or components.

HOW TO USE

Dispense enough Retihyal onto your fingertips to cover the area to be treated and apply to clean skin, preferably slightly damp, massaging it gently into the skin to encourage deep-down penetration and dispersal.

We recommend you use Retihyal once or twice a day, preferably at night and/or first thing in the morning.

To make optimum use of the product, we recommend that you read the Application tips at: *enocosmetics.com*

OBSERVATIONS

After applying Retihyal, it is quite normal to feel a slight tightness in the skin and in some cases, due to local vasodilation and the effects of retinol, a slight irritation or reddening that disappears with time. This reddening effect is particularly noticeable on pale, translucent skins. It is nothing to worry about and its intensity diminishes with use.

We recommend supplementing the use of Retihyal, which acts deep-down, with the application of a moisturising cream or gel for the surface layer of the skin, primarily to repair the corneal layer and improve the skin's barrier function.

Though retinol has many benefits, it is still necessary to take certain precautions. Do not start a treatment with a large number of daily applications of this product without first consulting a dermatologist. Remember that in high doses retinol can be an irritant and cause flaking. It is particularly important to note that retinol also causes hypersensitivity of the skin to the sun, so after its application, you should avoid sun exposure as much as possible. It is advisable to complement this application with products with high levels of solar protection.

PRECAUTIONS

Keep in a cool, dry place away from direct light at a temperature of 15°C-25°C. Keep out of the reach of children. Close the container properly after each use. Once the container has been opened, we recommend you use the product within one month. Once open, storing in the fridge can prolong its use for up to one month. Do not use this product after its use-by date.

TIPS FOR BETTER APPLICATION AND USE OF RETIHYAL

Apply on skin that is clean and preferably a little damp by gentle massaging until it is completely absorbed.

Once the product is dry, if you feel that your skin is "sticky" and "shiny" that is because part of the product has remained on its surface without penetrating. The main causes of this excess product are the high concentration of biocapsules and liposomes in the formulation, the different absorption capacities of each person's skin or the application of an excessive amount of the product.

To resolve the problem, moisten the application area again with water and lightly massage with the fingertips until it is completely absorbed.

As a general rule you could say that the product has entirely penetrated the skin when on drying it is not “shiny” or “sticky”. However, it is normal to feel some tightness or a slight warming sensation.

With use and time Retihyal users will find the most suitable dosage for them, their skin or their needs and wishes.

Retihyal is best applied to skin wetted with water because like all products including liposomes and biocapsules it is in the external aqueous phase and needs to be surrounded by water to penetrate the skin and work properly.

Massage as physical assistance is always an important enhancer for all skin products and treatments and also essential for better functional and material use of the product.

It not only helps increase the deep penetration and diffusion of the product but also gives a more uniform and effective distribution of it on the skin.

Other physical treatments such as a prior skin peel, local application of moist heat, occlusion or electroporation also assist with and increase the penetration of the product and its effectiveness.

Absorption or penetration of Retihyal improves with use and over time due to the increase in the proportion of unsaturated phospholipids in the skin produced by the product which makes it more permeable and interactive just like young skin.

TECHNICAL EXPLANATION OF RETIHYAL

We at Enoc Cosmetics have developed Retihyal, which employs the benefits of two of the main cosmetic active ingredients to achieve the highest possible anti-aging and anti-wrinkle effects: retinol and high molecular weight hyaluronic acid - 1.4 million Daltons (MDa).

In the formulation of Retihyal, both active ingredients, as well as other complementary and synergistic ingredients, are carried by biocapsules and liposomes, Advanced Liposomes, of nanometric size, giving them great penetration and diffusion in the skin, as well as high activity and effectiveness. In addition to retinol and hyaluronic acid, the product incorporates other moisturising, antioxidant and regenerative ingredients that complement their effects and improve its effectiveness.

Retinol is one of the forms taken by Vitamin A or retinoic acid, the most active form of this, and is known for its important therapeutic and cosmetic properties, thanks to its enormous antioxidant and anti-aging effects on the skin. Retinol is an essential vitamin in the development and functions of the body, and is part of the group of antioxidant vitamins. But unlike Vitamins C or B, which are water-soluble, retinol, like Vitamin D and E, is liposoluble - soluble in fat - and will not be eliminated in urine.

Retinol has a fundamental role in the correct formation and the proper functioning of the whole organism, as it increases immunity, prevents various types of diseases and infections, and is also a recognized anticarcinogenic. This effect on the body's formation, development and operation of the agency is especially important at the level of the so-called epithelial cells such as, for example, the mucous membranes of the retina, the nervous system, and also the skin.

Epithelial cells are those that cover the various organs, cavities and internal and external surfaces, such as the skin, mucous membranes, the gastric, intestinal, respiratory, urinary or glandular systems. The epithelial tissues are characterized by being in a state of continuous regeneration, from which we can deduce the importance of retinol and this process in general. At an internal level, it has a role in the proper functioning of the different organs, and at the external level, this function is expressed in a healthy skin and mucous membranes. This same function is also provided on the nervous system, and therefore, retinol is equally fundamental in its formation and contributes to the smooth development and functioning of the nervous system in general.

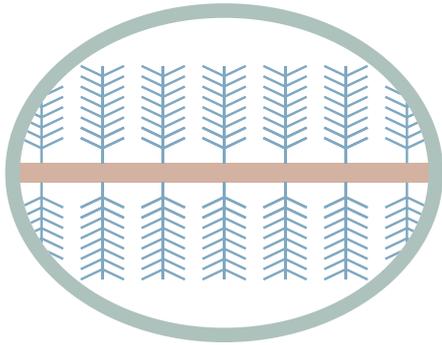
Retinol or Vitamin A is formed from carotenoids, mainly beta-carotene (-carotene), which is a type of pigment, usually red or orange, found in many plant foods such as spinach, chard, peaches, apricots or carrots, and in animals, such as liver or meat. When retinol oxidises it becomes retinoic acid, which is the chemical form with greater activity and effectiveness.

Retinoic acid, the active form of retinol, has a higher degree of activity and effectiveness, but for the same reason it also presents greater side effects: dermatitis, sensitivity, peeling, skin spots...

In Retihyal, as in Lipohyal, hyaluronic acid of high molecular weight, in a bioencapsulated form with high concentration, has been developed by Enoc Cosmetics to solve the problem of the skin penetration that hyaluronic acid has, especially with high molecular weight - 1.4 MDa when applied topically.

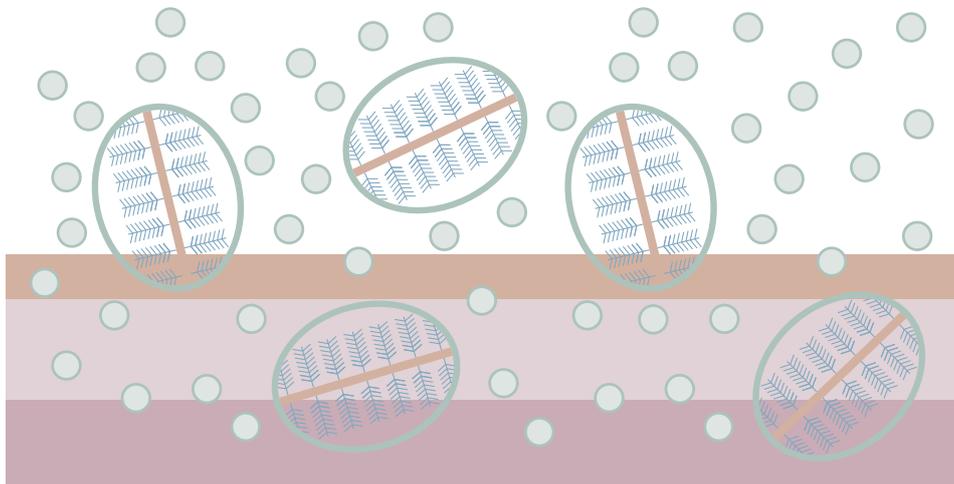
Hyaluronic acid belongs to the group of polysaccharides, or sugars. Produced naturally, it is very large molecule with a water-retention capacity thousands of times greater than its actual weight, which means that it plays a very important structural and functional role in the interstitial or extracellular matrix of the body's different tissues and organs, notably the skin. The ability to retain water maintains the fluidity of tissues and organs, and prevents sagging due to gravity. Owing to its special physicochemical characteristics, including its size, the topical administration of hyaluronic acid in conventional cosmetics has the problem of little to no absorption and assimilation.

The bioencapsulation of hyaluronic acid of high molecular weight means that its molecular identification and coating by a phospholipid in bilayer structure, completely natural, biomimetic and biocompatible, very flexible and adaptive. Advanced Liposomes, exclusive to Enoc Cosmetics, allow for better penetration, dissemination and integration in the different tissues and structures of the skin, providing the desired function. Due to the enormous molecular weight of bioencapsulated hyaluronic acid, the filler effect it produces is not only intense but also long-lasting. As a result with use it has a cumulative effect which improves with each application.



Schematic representation of a hyaluronic acid biocapsule.

Retihyal is technologically very sophisticated and consists of bioencapsulated hyaluronic acid particle concentrate combined with smaller liposomal particles which include retinol and other hydrating active ingredients and act as the “spearhead” of the larger bioencapsulated hyaluronic acid particles, thus enabling their greater deep penetration, dissemination and integration. The complementary active ingredients of retinol and hyaluronic acid are natural moisturisers such as betaine (a sugar from beets), the urea, glycerol or regenerators as phospholipids and natural Vitamin E, which act in tandem with hyaluronic acid and retinol, reinforcing their regenerative, moisturising, antioxidant and emollient effects.



Schematic representation of Retihyal penetrating the skin.

Once Retihyal has penetrated and been absorbed, with the various interactions, the biocapsules and liposomes release the hyaluronic acid and other active ingredients, incorporating in the different tissues and structures of the skin. In turn, the phospholipids, from the cover of the biocapsules and liposomes, are incorporated into cell membranes, regenerating and rejuvenating them, improving their condition, appearance and functionality.

INGREDIENTS

Aqua, Lecithin, Alcohol, Urea, Glycerin, Betaine, Retinyl Palmitate, Retinol, Hyaluronic acid, Polysorbate 20, Tocopherol, BHA, BHT, Phenox-yethanol.

30 ml dropper container
Topical skin use

Enoc Solutions, S.L.
C/ des Pescadors, 8, locals 1 y 2
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