

PEPTIDYAL | 86HX

EXCLUSIVE BIO REGENERATIVE FORMULA



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Peptidyal®86HX is a product that promotes the revitalization and regeneration of the skin. It contains highly purified hyaluronic acid at 4 molecular weights + amino acids + CaHA. The ingredients that make up this innovative cosmetic form an ideal synergy to treat face and body. Peptidyal®86HX has one of the highest concentrations of **Hyaluronic Acid (86 mg / 2.6 ml)** among products in the same category on the market, in combination with **Amino acids** and **Calcium hydroxyapatite**.

The **Hyaluronic Acid** present in the formula, **highly purified and with 4 molecular weights of 200k, 400k, 1 million and 1.3 million Daltons** respectively, is of non-animal origin and obtained through an innovative production process in which an extraordinarily unique purity is ensured due to the non-use of chemical solvents normally used for the extraction of the synthetic one.

The amino acids **Glycine, Lysine, Proline** and **Hydroxyproline**, in combination with hyaluronic acid, are useful for the formation of new collagen, since fibroblasts require, as we age, an increasing amount of amino acids. The action is also enhanced thanks to the presence of calcium hydroxyapatite in the formulation: an innovative ingredient.

Calcium hydroxyapatite microspheres, in fact:

1. stimulate fibroblasts more in the production of new collagen;
2. they make the degradation of hyaluronic acid itself more gradual.

In conclusion, the mix of the various ingredients present ensures a synergy of proven efficacy and reliability.

Peptidyal®86HX is proposed as an ideal alternative solution for the treatment of all types of wrinkles, skin laxity on the face and body in order to achieve a real tissue lift. It smoothes, moisturizes and plumps the skin, reducing the signs of aging.

PEPTIDYAL® 86HX TO FIGHT SKIN AGING

Skin aging is associated with changes in the DNA's molecular structure, proteins, and lipids. The accumulation of these structural changes forms the basis of cellular aging.

This **regenerative formula** allows you to:

- obtain exceptional hydration and, therefore, keep the skin hydrated with the help of substances capable of fixing water at the surface level (*stratum corneum*);
- improve skin tone;
- stimulate the stratum corneum to promote skin firmness and elasticity;
- improve the appearance of wrinkles and skin depressions;
- restore the functionality of the dermis;
- increases the functionality of elastic fibers and increases the increase in collagen fibers and fundamental substances;
- hinder the formation of free radicals by reducing oxidative stress capable of damaging both lipid (*cell wall*) and hydrophilic (*cytoplasm, protein structures, DNA*) structures.

The package contains:
2 pre-filled syringes of 2.6 ml e each.

formula
with
CaHA

Cosmetic product
for external use only

*Product supplied in syringe
for better use of the cosmetic

Ingredients: Aqua, Sodium Hyaluronate, Calcium Hydroxyapatite, Glycine, Hydroxyproline, Lysine HCL, Proline, Sodium Hydroxide, Disodium Phosphate, Sodium Phosphate, Sodium Chloride.

THE ROLE OF CALCIUM HYDROXYAPATITE IN

Calcium hydroxyapatite is a chemical compound that occurs naturally in human bones and dental enamel. It consists of calcium and phosphate ions, which give the substance a solid, crystalline structure. Due to its resemblance to human tissues, it is used in a variety of industries, including cosmetics. In cosmetics, calcium hydroxyapatite is used for its biocompatibility and biodegradability properties, making it safe and effective as an ingredient in skin and hair care product formulations. **CaHA** acts on two fronts: it gives a lifting effect and at the same time improves the quality of the skin texture, making it visibly brighter and firmer.

USAGE PROTOCOL:

• TOPICAL TREATMENTS

Technologies or tools that promote the gradual release of the active ingredients should be used for product absorption.

4 treatments, one every 7/10 days for three months.

*The indications given are general. Each protocol may be customized by the operator depending on the age of the patient and the blemish to be treated.

STRUCTURAL PROTEINS

celens
exclusive formula



Collagen is made up of polypeptide chains, called alpha chains, which are tightly intertwined to form a compact super helix. The primary structure of the individual chains is composed of more than 1400 amino acids and is characterized by the repetition of numerous sequence triplets: **glycine, proline, hydroxyproline (Gly-Pro-Hyp)**. It gives the skin strength, elasticity and structure; the progressive degradation of collagen, in fact, is at the basis of the formation of skin imperfections, such as wrinkles, skin laxity and thinning of the skin. As we age and are exposed to factors such as the sun, smoking and stress, collagen production decreases and undergoes degradation, leading to a loss of elasticity and the appearance of visible signs of skin aging.

ELASTIN

Elastin is a fibrous protein made up of two polypeptide subunits called tropoelastin. Tropoelastin is composed of long, Gly-rich helices separated by short stretches of *Lys* and *Ala*. The two subunits are connected to each other by crosslinking that gives two- and three-dimensional elasticity.

LYSINE

Lysine is an essential amino acid: the human body is not able to synthesize it, so it can only be ingested pre-built with food. It is mainly present in foods that provide protein of animal origin. It inhibits the growth of viruses, produces *L-Carnitine*, which improves stress tolerance, fat metabolism and has an anti-fatigue effect; promotes bone growth by helping the formation of collagen, the fibrous protein that makes up bones, cartilage and other connective tissues; It helps in the absorption of calcium.

PROLINE

The amino acid **Proline** is the main building block of collagen and elastin stabilizing proteins, which are the body's structural proteins. More than 10% of the building blocks of collagen molecules are composed of proline alone: a quarter to a third of the collagen reinforcement rods are made of proline. It is a very important amino acid, therefore, for the regeneration of the skin and tendon structures.

GLYCINE

Glycine is a non-essential amino acid, meaning the body is unable to produce it on its own. It is present in small amounts in the vast majority of proteins found in tendons and muscles. It also makes up about a third of the structure of collagen, playing an important role in its synthesis and is one of its main constituents, along with other amino acids such as proline and hydroxyproline. Glycine is required for protein building and in the synthesis of nucleic acids, the construction of RNA, DNA, and other amino acids. It is also used by the body to produce glutathione, a powerful antioxidant.

HYDROXYPROLINE

Hydroxyproline is a heterocyclic amino acid that forms the main component of collagen with proline. It differs from proline by the presence of a hydroxyl (OH) group attached to the C atom (*gamma*). It is an important component of collagen protein and together with proline they play key roles in collagen stability by allowing marked twisting of the fiber helix.

