

BIO-COLLAGEN

Poly-Peptidic Collagen

INCI NAME:

Hydrolyzed Collagen

DOSE OF USE:

The recommended dosage is:

Version-10: From 2 – 10%

Version-50: From 0, 5 – 5%

SOLUBILITY:

Soluble in water and glycols. Insoluble in oils.

COSMETIC USE:

- Beauty care products for face or neck
- Nutritious creams for sun preparations
- Hair products: Shampoos, lotions, cream treatments
- Body and bath products
- Specific products for dry skins

DESCRIPTION:

BIO-COLLAGEN is a Hydro-glycolic biological complex obtained by partial hydrolysis of native collagen.

Native Collagen is a big proteinic molecule of a high molecular weight (around 300.000 daltons) not capable to penetrate the epidermal barrier and reach the Dermis. It is only at the dermis where the collagen could have certain efficacy.

Knowing this fact, it is worth to apply on the skin AMINO ACIDS and POLYPEPTIDES; from native collagen; which are known to be the real precursors of NATIVE COLLAGEN. They are thus, the only ones likely of being found at the deeper layers of the epidermis. By this way, it is preferable to apply homologous biochemist elements from native collagen, which are the only ones that can be metabolized, if the skin needs them, instead of trying to artificially increase the collagen level, which will never be really used by the skin.

BIO-COLLAGEN is particularly rich in amino acids and specific polypeptides:

- Amino acids:

Chromatography analysis after acid hydrolysis (g/100g of active substance)

Lysine	4.05	Proline	14.76
Histidine	0.72	Glycine	24.75
Arginine	7.92	Alanine	9.90
Aspartic Acid	6.03	Valine	2.34
Threonine	1.98	Methionine	0.81
Serine	3.78	Isoleucine	1.44
Glutamic Acid	10.26	Leucine	3.15
Tyrosine	0.27	Phenylalanine	1.98
Hydroxylysine	0.90	Hydroxyproline	12.69

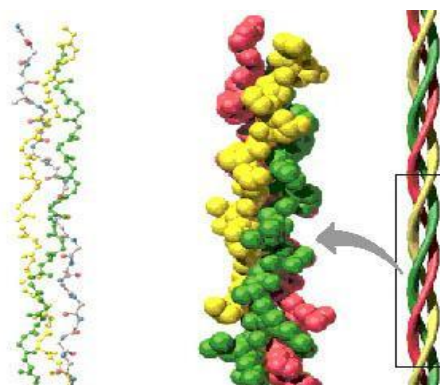
PROPERTIES:

- Polypeptides:

Polypeptides from young collagenic origin, precursors of the TROPICOLLAGEN, thus precursors of the native collagen.

BIO-COLLAGEN is recommended for cosmetic preparations designed for skin care, products for bath and shower as well as hair treatments, thanks to its outstanding properties:

- Strengthening of cutaneous elasticity
- Improvement of skin comfort
- Nutrition of the epidermis
- Slightly photo-protective
- Conditioning and filmogen for skin and hair
- Neutralize side effects of surfactants
- Makes the surface of the skin and hair softer and smoother



N a t u r a l l y E f f e c t i v e

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