

Desaron[®] Plus PHE

Description

Desaron[®] Plus PHE is an inimitable combination of desamido collagen and different molecular weights of biotechnologically derived sodium hyaluronate (SH). Desamido collagen belongs to the group of scleroproteins, a fibrous protein that constitutes one third of the total protein in mammalian organisms. It is a polypeptide containing three peptide chains that are rich in typical amino acids like proline and hydroxyproline. Desamido collagen is produced by an alkaline process on calfskins. During this process special amino groups are changed to carboxyl groups. Our desamido collagen is classified as native collagen and has an intact triple helical structure. Hyaluronic acid is a linear polysaccharide naturally occurring in the human body. The higher the molecular weight of hyaluronic acid is, the better are the film forming properties. The lower the molecular weight is, the better is the biological activity of this active ingredient. Hyaluronic acid is known to be one of the best moisturizers. The combination of different molecular weights guarantees a perfect hydration of the skin from out-and inside, as well as the improvement of structural integrity of the skin. This product ideally combines anti-aging properties with effective moisturization.

Desaron[®] Plus PHE shows an outstanding high water absorption capacity, improving skin hydration. Over time, the powerful native and natural collagen helps to fill in lines and wrinkles, leaving your skin smooth a plump. A certain level of stratum corneum hydration is essential for skin smoothness and elasticity, which is reached by three different molecular weights of sodium hyaluronate in the product.

Efficacy

- improves inner skin structure
- reduces wrinkles and fine lines
- improves skin smoothness and skin feel
- acts as a natural moisturization agent
- forms a protective film on the skin
- improves sensorial properties

Appearance

slight opaque, viscous solution

INCI

Aqua, Glycerin, Sodium Hyaluronate, Desamido Collagen

Registration

CAS-No.:

Aqua..... 7732-18-5
Glycerin.....56-81-5
Sodium Hyaluronate.....9067-32-7
Desamido Collagen (Collagen).....-/-



The power behind cosmetics!
Nature & Science in perfect balance

Desaron[®] Plus PHE

EC-No.:

Aqua.....	231-791-2
Glycerin.....	200-289-5
Sodium Hyaluronate.....	-/-
Desamido Collagen (Collagen).....	-/-

Preservatives / Stabilizers

preservative Phenoxyethanol.....0.95 %

stabilizers:

Sodium Citrate Buffer.....	1.28 %
Sodium Chloride.....	0.75 %

Characteristics

Soluble Collagen.....	0.50 - 0.65 %
Sodium Hyaluronate (SMW).....	0.2 %
Sodium Hyaluronate (LMW) HySilk.....	0.5 %
Sodium Hyaluronate (VLMW) HyActive.....	0.3 %
Glycerin.....	10 %
ash as Na ₂ SO ₄	1.50 - 2.50 %
pH-value.....	6 - 7
HVT-value.....	35 - 45 °C

Application

daily cosmetic products
creams and lotions
face masks
gels and ampoules
body care
after sun care
after shave
collagen fluids

Application concentration

skin care formulation.....0.2 - 12 %

Incorporation

Desaron[®] Plus PHE should be stirred before using and blended into the water phase at max. 30 °C (cold-process capable).
Addition of 0.75 % sodium chloride is highly recommended for enhanced stability.
Desaron[®] Plus PHE is soluble in water.

Toxicology

non hazardous in normal use concentration

Storage & Shelf life

Desaron[®] Plus PHE should be stored in a dry and light protected place at 10 - 25 °C.

In closed original containers the shelf life is five years.