Avena Lab
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TECHNICAL DATA SHEET

Raw Material Name: Hyaluronate Gel with Witch Hazel Extract

INCI Name: Aqua, Glycerin, Sodium Hyaluronate, Hamamelis Virginiana Leaf Extract, Benzyl Alcohol, Dehydroacetic Acid

CAS: 7732-18-5, 56-81-5, 9067-32-7, 84696-19-5, 100-51-6, 520-45-6

Chemical Classification: Mixture; water-glycerin botanical extract with sodium hyaluronate

Functional Category: Humectant; soothing agent; astringent; skin-conditioning agent

Description: Witch Hazel Extract & Hyaluronate Gel is a combination of a water-glycerin extract of witch hazel (Hamamelis virginiana) and Sodium Hyaluronate in gel form. The formulation is based on water and glycerin, which provide a humectant base and enable even distribution of the functional components on the skin. Sodium Hyaluronate binds water in the superficial layers of the skin and contributes to maintaining hydration, softness and smoothness. On the skin surface it may form a lightweight film that helps reduce transepidermal water loss and supports the maintenance of the skin barrier function. The skin feels softer and more elastic. Witch hazel extract provides an astringent and soothing profile. Due to the presence of tannins and flavonoids, it contributes to a fresher and visually tighter skin appearance and may help improve the look of skin prone to excess shine. It also contributes to a more comfortable skin feel and to the balanced appearance of skin prone to visible imperfections. The combination of these components provides a balanced hydration and skin-balancing effect. The gel has a light texture and absorbs quickly. It does not leave a heavy or greasy film. It is suitable for various skin types, including sensitive areas such as the eye area. The formulation is stabilized with a preservative system based on benzyl alcohol and dehydroacetic acid, which helps maintain microbiological stability. The gel is water-soluble and compatible with a wide range of cosmetic formulations.

Benefits:

- Contributes to skin hydration by binding water and helping maintain an optimal moisture level.
- Helps reduce transepidermal water loss by forming a lightweight surface film.
- Contributes to a visually tighter and fresher skin appearance due to the astringent profile of witch hazel.
- May contribute to a more balanced appearance of skin prone to excess shine.
- Helps reduce the feeling of discomfort and tightness.

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- Improves the feeling of softness, smoothness and elasticity of the skin.

Directions for Use: Witch Hazel Extract & Hyaluronate Gel is added during the cool-down phase of the formulation, preferably at temperatures below 40 °C, in order to preserve the stability of Sodium Hyaluronate and witch hazel extract. It may be incorporated directly into the aqueous phase or into an already prepared emulsion with gentle mixing until complete homogenization. In serums and gels intended for hydration and skin soothing, it is most commonly used at 1-5%. In creams and lotions for daily care, it is typically used at approximately 0.5-3%. In facial masks, especially those intended for intensive hydration, it is commonly used at 2-10%. In products intended for sensitive areas, such as the eye area, recommended concentrations are usually 0.5-2%. In facial toners and mists, it is generally used at lower concentrations, approximately 0.1-1%. It is compatible with most water-soluble raw materials, including humectants, botanical extracts and mild active ingredients. The optimal formulation pH range is approximately 4.5 to 6.5.

Applications: Hydrating and soothing serums and gels; creams and lotions; facial masks; toners and mists; products intended for combination and oilier skin; formulations for sensitive and dehydrated skin; products intended for sensitive areas, such as the eye area.

Animal Testing: In accordance with current European legislation (Regulation (EC) No. 1223/2009 on cosmetic products), the raw material has not been tested on animals. The safety assessment is based on available toxicological data, scientific literature and validated alternative testing methods (in vitro and in silico).

GMO: Non-GMO

Vegan: Contains no ingredients of animal origin

Country of Origin: China