

TECHNICAL DATA SHEET

Product Name: Hyaluronate Gel with Cucumber Fruit Extract

INCI Name: Aqua, Glycerin, Cucumis Sativus Fruit Extract, Sodium Hyaluronate, Benzyl Alcohol, Dehydroacetic Acid

CAS: 56-81-5, 7732-18-5, 89998-01-6, 9067-32-7, 100-51-6, 520-45-6

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

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

Description: Cucumber Fruit Extract & Hyaluronate Gel is a combination of a water-glycerin extract of cucumber fruit (*Cucumis sativus*) 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 active components on the skin. Sodium Hyaluronate binds water in the superficial layers of the skin and contributes to maintaining hydration, softness and smoothness. It may form a lightweight film on the skin surface that helps reduce transepidermal water loss and improves the sensory perception of elasticity. Cucumber fruit extract contributes to the refreshing and soothing profile of the product. The botanical extract may contain polysaccharide, mineral and other water-soluble components characteristic of the fruit, while its exact composition depends on the extraction method and standardization of the raw material. The combination of cucumber extract, glycerin and Sodium Hyaluronate provides a balanced hydrating and conditioning effect, making the raw material suitable for formulations intended for dry, dehydrated and sensitive skin. The gel has a lightweight texture, spreads easily and does not leave a pronounced greasy feel. It is also suitable for formulations intended for sensitive areas, such as the eye area, subject to an appropriate safety assessment of the finished product. The system is preserved with a combination of Benzyl Alcohol and Dehydroacetic Acid. This preservative system is widely used in naturally oriented cosmetic formulations and is accepted under certain natural and organic cosmetic standards, but any claim of specific certification should be confirmed by the supplier's documentation. The gel is dispersible and compatible with aqueous formulation systems.

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 soothing and refreshing skin feel due to cucumber fruit extract.

Disclaimer: The details provided here are specific to the identified material and may not remain accurate if that material is combined with other substances or used in different processes. The information presented is, to the best of the company's knowledge, considered precise and trustworthy as of the date mentioned. However, the company does not make any explicit or implied assurance, guarantee, or claim regarding the information's precision, trustworthiness, or comprehensiveness, and will not be held accountable for any losses, damages, or costs, whether direct or indirect, that arise from its use. Users are encouraged to independently verify the appropriateness and thoroughness of this information for their specific purposes.

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- Helps relieve the sensation of tightness and discomfort associated with dry and dehydrated skin.
- Improves the feeling of softness, smoothness and elasticity of the skin.
- Suitable for lightweight hydrating formulations and products intended for sensitive skin.

Directions for Use: Cucumber Fruit 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 the botanical components of the 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 skin hydration and 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, particularly formulations intended for intensive hydration, it may be used at 2-10%. In products intended for sensitive areas, such as the eye area, the recommended range is approximately 0.5-2%. In facial toners and mists, it is generally used at lower concentrations, typically 0.1-1%. It is compatible with most water-soluble cosmetic ingredients, including humectants, botanical extracts and mild active ingredients. The optimal pH range of the finished formulation is approximately 4.5-6.5. The final concentration should be aligned with the supplier's specification and the safety assessment of the finished product.

Applications: Hydrating serums and gels; creams and lotions; facial masks; toners and mists; products intended for dry, dehydrated and sensitive skin; formulations 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