

TECHNICAL DATA SHEET

Raw Material Name: Hyaluronate Gel with Rosemary Leaf Extract

INCI Name: Aqua, Glycerin, Sodium Hyaluronate, Rosmarinus Officinalis Leaf Extract, Benzyl Alcohol, Dehydroacetic Acid

CAS: 7732-18-5, 56-81-5, 9067-32-7, 84604-14-8, 100-51-6, 520-45-6

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

Functional Category: Humectant; soothing agent; antioxidant botanical complex; skin-conditioning agent

Description: Rosemary Leaf Extract & Hyaluronate Gel is a combination of a water-glycerin extract of rosemary leaf (*Rosmarinus officinalis*) 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 thin hydrophilic film that helps reduce transepidermal water loss and contributes to a more comfortable feeling of elasticity and skin comfort. The water-glycerin rosemary extract may contain rosmarinic acid, flavonoids and other polar phenolic constituents, depending on the extraction method and standardization of the raw material. These components contribute to the antioxidant profile of the product and may help protect the skin from oxidative processes associated with external stressors. Lipophilic diterpenes characteristic of rosemary, such as carnosic acid and carnosol, should not automatically be considered dominant constituents of a water-glycerin extract without appropriate analytical documentation. The combination of rosemary extract, glycerin and Sodium Hyaluronate provides a balanced hydrating, conditioning and antioxidant profile. The gel has a lightweight texture, spreads easily and does not leave a pronounced greasy feel. The system is preserved with a combination of Benzyl Alcohol and Dehydroacetic Acid and is intended for use in aqueous 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 antioxidant skin protection due to the polyphenolic constituents of rosemary extract.
- Helps maintain a cared-for and fresher-looking appearance of skin exposed to external stressors.
- Improves the feeling of softness, smoothness and elasticity of the skin.

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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- Suitable for hydrating and antioxidant formulations intended for different skin types.

Directions for Use: Rosemary Leaf 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 constituents of rosemary 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 antioxidant care, 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 revitalization and skin protection, it may be used at 2-10%. In facial toners and mists, it is generally used at lower concentrations, typically 0.1-1%. For formulations intended for sensitive areas, such as the eye area, use should be based on the safety assessment of the finished product and the specification of the particular rosemary extract. It is compatible with most water-soluble raw materials, including humectants, antioxidants and botanical extracts. The recommended pH range of the finished formulation is approximately 4.5-6.5. For external use only.

Applications: Hydrating and antioxidant serums and gels; creams and lotions; facial masks; toners and mists; formulations intended for skin exposed to oxidative and external stress; products for the care of dry, dehydrated and mature skin.

Safety Note: Claims relating to the direct reduction of irritation or redness or to improvement of skin tone should be supported by manufacturer documentation and studies performed on the specific extract. The composition of rosemary extract may vary significantly depending on the extraction system and standardization; formulation and safety claims should therefore be based on the supplier's TDS/SDS documentation and the safety assessment of the finished product.

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