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TECHNICAL DATA SHEET

ROSEMARY WATER **/ A / HA / CA11 /**



Trade Name: ROSEMARY WATER / A / HA / CA11 /.

Product Code: AROMERACA11.

INCI Name: AQUA, ROSMARINUS OFFICINALIS WATER, POTASSIUM SORBATE, ISOPROPYL ALCOHOL.

INCI Status: Conforms.

REACH Status: Low Volume Exemption.

CAS Number: 7732-18-5; 84604-14-8; 24634-61-5 / 590-00-1; 67-63-0.

EC Number: 231-791-2; 283-291-9; 246-376-1; 200-661-7.

Origin: ROSMARINUS OFFICINALIS WATER: Vegetable origin.

POTASSIUM SORBATE, ISOPROPYL ALCOHOL: Synthetic origin.

Processing: GMO Free. / No Ethoxylation. / No Irradiation. / No Sulphonation. / No BSE/TSE. / No CMR. / No SVHC. / No Nanomaterial. / No DEG. / No DEHP. / No Formaldehyde. / No Phthalates. /

Additives: Preservatives: Potassium sorbate. Paraben Free. / Antioxidants: None. / Other additives: None.

Solvents Used: Water and isopropyl alcohol.

Appearance: Clear liquid.

Colour: Characteristic (colourless to yellowish).

Odour: Characteristic.

Specific gravity: 0,970 – 1,010 g/cm³ (20°C approx.).

Direct pH value: 4,5 - 6,5 (20°C approx.).

Soluble/ Miscible: Water. Surfactants. Hydroalcoholic, hydroglyceric and hydroglycolic mixtures.

Ecological Information: Sustainable.

Microbial Count: **Total aerobics:** Max. 300 microorganisms / gram.

Fungi and yeasts: Max. 200 microorganisms / gram.

Pathogens: Total absence in 1 gram.

Suggested Use Levels: 5,0 – 100,0%.

Suggested Applications: Dermopurifying, deodorant, stimulating, antiseptic, soothing, disinfectant, wound healing, peripheral vasodilatory, regulator of sebaceous glands function and antioxidant preparations.

Properties: Dermopurifying, deodorant, stimulating, antiseptic, soothing, disinfectant, wound healing, peripheral vasodilatory, regulator of sebaceous glands function and antioxidant.

Industrial packing: 1Kg., 5Kg., 25Kg.

Storage conditions: It is very important to keep the product in well closed containers, away from direct sunlight at temperatures not over 15°C. In case of not having refrigerators, store the product in the coolest and free from artificial light area.

Bibliography: - Atlas Ilustrado de Plantas Medicinales y Curativas, Ed. Susaeta.

- Dumont's grosse Kräuter Enzyklopädie.

- Fitocosméticos ALVAREZ CRUZ i BAGUE SERRANO.

- Gran enciclopedia de las plantas medicinales, BERDONCES i SERRA.

- Plantas medicinales, FONT i QUER.

- Proserpio G., Martelli A., Patri GF.; Elementi di Fitocosmeci; Ed. Sepem / Milano 1983.

- Websites.



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OVERVIEW

Rosemary (*Rosmarinus officinalis* L.) is an evergreen shrub, belonging to the Labiatae family. Both, leaves and flowering tops, give off a pleasant characteristic odor.

To prepare ROSEMARY WATER by BIOGRÜNDL, S.L., it proceeds by means of steam distillation of flowering tops and leaves. This distillate contains volatile components of rosemary, among which includes pinene, camphor, cineol, borneol and bornyl acetate; also, other aromatic materials, in smaller quantities, such as camphene, carene, limonene, cymene, myrcene, phellantrene, terpinene, terpineol, geraniol and linalool.

USE AND DOSAGE

The incorporation of rosemary water in cosmetics is justified by its dermopurifying, deodorant, stimulating, antiseptic, soothing, disinfectant, wound healing, peripheral vasodilatory, regulator of sebaceous glands function and antioxidant properties.

If turbidity is observed, it is advisable to previously dissolve the product in a portion of the water provided to manufacture the final product and filter after 12-24 hours.

The recommended concentrations of use are between 5% and 100%.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear liquid.

Colour: Characteristic (colourless to yellowish).

Odour: Characteristic.

Direct pH value: 4,5 - 6,5 (20°C approx.).

Specific gravity: 0,970 - 1,010 g/cm³ (20°C approx.).

Solubility in water: Fully soluble (20°C approx.).

Solubility in other solvents: Insoluble in organic solvents and lipids. Soluble in surfactants, hydroalcoholic, hydroglyceric and hydroglycolic mixtures.

Heavy metals: No more than 5 mg/Kg.

Sulfated ash: No more than 0,01%.

Chlorides: No more than 0,007%.

Sulfates: No more than 0,002%.

Other information: None.

Total aerobics: Max. 300 microorganisms / gram.

Fungi and yeasts: Max. 200 microorganisms / gram.

Pathogens: Total absence in 1 gram.



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DERMATOLOGY INNOCUOUSNESS

It was performed by the patch test (Patch test) on 10 volunteers. 0,5 g. of ROSEMARY WATER by BIOGRÜNDL, S.L. is poured over the patch and attached on the forearm. It is thus maintained for 24, 48 and 72 hours, after which, evaluates the given reaction, according to the following table of values:

1. No erythema.
2. Slight erythema.
3. Well defined erythema.
4. Severe erythema.

The result was absence of erythema on the 10 volunteers.

On the recommended concentrations, the product is skin innocuous.

STORAGE CONDITIONS

It is very important to keep the product in well closed containers, away from direct sunlight at temperatures not over 15°C. In case of not having refrigerators, store the product in the coolest and free from artificial light area.

INCI DENOMINATION

AQUA, ROSMARINUS OFFICINALIS WATER, POTASSIUM SORBATE, ISOPROPYL ALCOHOL.