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TECHNICAL DATA SHEET

THYME WATER / A / HA / CA11 /



Trade Name: THYME WATER / A / HA / CA11 /

Product Code: ATOMILACA11.

INCI Name: AQUA, THYMUS VULGARIS FLOWER/LEAF/STEM WATER, POTASSIUM SORBATE, ISOPROPYL ALCOHOL.

INCI Status: Conforms.

REACH Status: Low Volume Exemption.

CAS Number: 7732-18-5; 84929-51-1; 24634-61-5 / 590-00-1; 67-63-0.

EC Number: 231-791-2; 284-535-7; 246-376-1; 200-661-7.

Origin: **THYMUS VULGARIS FLOWER/LEAF/STEM 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: MPOLYGLYCERYL-6 CAPRYLATE, POLYGLYCERYL-4 CAPRATE_{ax}. 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: Hygienic, greasy, impure or unstressed skin preparations. Anti-acne and deodorant treatments.

Properties: Antiseptic, purifying and stimulanting.

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.

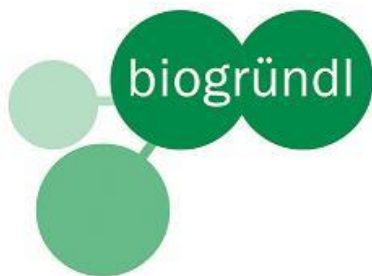
- Fitocosméticos ALVAREZ CRUZ i BAGUE SERRANO.

- 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

Thyme is a plant belonging to the Labiatae family that blooms in spring. Its most active part is the essential oil whose main component is thymol, in addition to pinene, cineol, borneol and linalool. It also contains tannins, phenolic acids (caffeic, chlorogenic, labiatic and rosmarinic), flavonoids (luteolin), triterpenoids (ursolic and oleanoic acid), proteins, lipids and vitamins (B and C).

THYME WATER by BIOGRÜNDL, S.L. is obtained by steam distillation of the flower blanks by means of a special process which extracts the majority of active components.

USE AND DOSAGE

The incorporation in cosmetics of thyme water is justified by its antiseptic, purifying and stimulant properties.

It is very useful in hygienic, greasy, impure or unstressed skin preparations, as well as, in anti-acne and deodorant treatments.

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%.

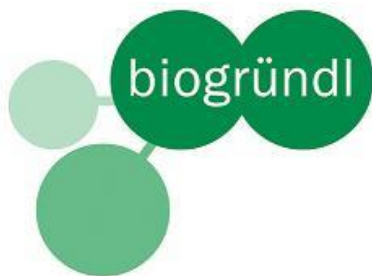
Sulfates: No more than 0,002%.

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 THYME 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, THYMUS VULGARIS FLOWER/LEAF/STEM WATER, POTASSIUM SORBATE, ISOPROPYL ALCOHOL.