



BIOGRÜNDL, S.L.
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TECHNICAL DATA SHEET

PINEAPPLE WATER / A / HP / CA11 /



Trade Name: PINEAPPLE WATER / A / HP / CA11 /

Product Code: APIÑAHPCA11.

INCI Name: AQUA, ANANAS SATIVUS FRUIT OIL, POLYGLYCERYL-6 CAPRYLATE, POLYGLYCERYL-4 CAPRATE, POTASSIUM SORBATE.

INCI Status: Conforms.

REACH Status: Low Volume Exemption.

CAS Number: 7732-18-5; Not available; 108777-93-1; 74504-65-7; 24634-61-5 / 590-00-1.

EC Number: 231-791-2; Not available; Not available; Not available; 246-376-1.

Origin: ANANAS SATIVUS FRUIT OIL, POLYGLYCERYL- 6 CAPRYLATE,

POLYGLYCERYL-4 CAPRATE: Vegetable origin.

POTASSIUM SORBATE: 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, polyglyceryl – 6 caprylate and polyglyceryl – 4 caprate.

Appearance: Clear liquid.

Colour: Characteristic (colourless to yellowish).

Odour: Characteristic.

Specific gravity: 0,990 – 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: Anti-acne treatment. Feet products. Preparations to treat skin spots. Anti-ageing and moisturizing products. Peelings.

Properties: Proteolytic, lightening, astringent, moisturizing, demopurifying, exfoliant and soothing.

Industrial packing: 1Kg., 5Kg., 25Kg., 200Kg.

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

Pineapple or ananas (*Ananas sativus* L.) is a plant native to South America, belonging to the Bromeliaceae family. It has long, narrow leaves; violet flowers with three petals; fleshy syncarpous fruit, topped by a rosette with short leaves.

To obtain PINEAPPLE WATER, BIOGRÜNDL, S.L. starts with the peeled fruit, treating it by means of steam distillation, which drags the following active ingredients:

- Proteolytic enzyme (bromeline).
- Carbohydrates, especially sucrose.
- Organic acids (citric, malic, oxalic acids).
- Proteins and free amino acids.
- Vitamins (A, B and C).
- Essential oil whose main components are alcohols, phenols, terpenes, aldehydes, ketones and esters.

USE AND DOSAGE

The incorporation of pineapple water in cosmetics is justified by its proteolytic, lightening, astringent, moisturizing, demopurifying, exfoliant and soothing properties.

PINEAPPLE WATER by BIOGRÜNDL, S.L. is used in preparations to treat certain skin disorders resulting from its own hyperkeratinization, such as acne, calluses and skin spots. Also, in anti-ageing and moisturizing products, as well as, in all kinds of peelings.

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%.



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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: 0,990 - 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.

DERMATOLOGY INNOCUOUSNESS

It was performed by the patch test (Patch test) on 10 volunteers. 0,5 g. of PINEAPPLE 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.



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STORAGE CONDITIONS

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INCI DENOMINATION

AQUA, ANANAS SATIVUS FRUIT OIL, POLYGLYCERYL-6 CAPRYLATE,
POLYGLYCERYL-4 CAPRATE, POTASSIUM SORBATE.