

BIOGRÜNDL, S.L.
POLÍGONO LES FALLULLES, NAVE 34 -SECTOR 2-
08620 SANT VICENÇ DELS HORTS, BARCELONA (SPAIN)
PHONE: +34 93 660 55 12 / FAX: +34 93 660 55 13
www.biogrundl.es
info@biogrundl.es

TECHNICAL DATA SHEET

HONEY EXTRACT / CEC / HGL / CA20 /



Trade Name: HONEY EXTRACT / CEC / HGL / CA20 /.

Product Code: CEMLCHGLC20.

INCI Name: AQUA, GLYCERIN, MEL EXTRACT, POTASSIUM SORBATE, SODIUM BENZOATE.

INCI Status: Conforms.

CAS Number: 7732-18-5; 56-81-5; 91052-92-5 / 8026-66-8; 24634-61-5/ 590-00-1; 532-32-1.

EC Number: 231-791-2; 200-289-5; 293-255-4; 246-376-1; 208-534-8.

Origin: **GLYCERIN:** Vegetable origin.

MEL EXTRACT: Animal origin.



POTASSIUM SORBATE: Synthetic origin.

SODIUM BENZOATE: 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, Sodium Benzoate. Paraben Free. / Antioxidants: None. / Other additives: None.

Solvents Used: Water and glycerin.

Appearance: Clear to slightly opalescent liquid.

Colour: Characteristic (yellowish to deep brown).

Odour: Characteristic.

Specific gravity: 1,050 - 1,300 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: 2,0 – 10,0%.

Suggested Applications: Anti-ageing, protective, moisturizing and anti-wrinkle creams. Anti-solar products. Regenerating creams. Cell repair products. Face and body treatment lotions. Active face lotions. Aged or damaged skin masks .

Properties: Anti-wrinkle, protective, moisturizing, anti-solar, regenerative and restorative.

Industrial packing: 1Kg., 5Kg., 25Kg., 225Kg.

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.

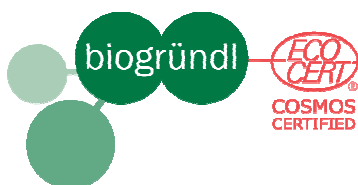
- Fitocosmetics ALVAREZ CRUZ i BAGUE SERRANO.

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

- Plantas medicinales, FONT i QUER.

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

- Websites.



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OVERVIEW

Hydroglyceric extract coming from Ecological Agriculture and obtained from bee honey.

Its composition rich in sugars (glucose and fructose, representing nearly 90% of saccharids), organic acids, small amounts of nitrogenous materials and vitamins in B group, make this product highly suitable as emollient and moisturizer in cosmetic products in general.

USE AND DOSAGE

In treatment preparations such as: anti-ageing, protective, moisturising, anti-wrinkle, sun products, regenerating and cell repair products, face and body treatment lotions, active face lotions and masks for aged or damaged skin.

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 2% and 10%.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear to slightly opalescent liquid.

Colour: Characteristic (yellowish to deep brown).

Odour: Characteristic.

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

Specific gravity: 1,050 - 1,300 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%.

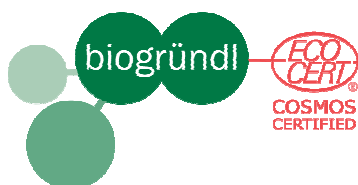
Sulfates: No more than 0,002%.

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. To this purpose, 15% HONEY EXTRACT by BIOGRÜNDL, S.L., was added to an O/W emulsion; 0,5g. of this emulsion was poured over the patch and attached on the forearm. It is thus maintained for 24, 48 and 72 hours, after which, the given reaction was evaluated, 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, GLYCERIN, MEL EXTRACT, POTASSIUM SORBATE, SODIUM BENZOATE.