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TECHNICAL DATA SHEET

ALMOND FROM MALLORCA EXTRACT PROTECTED GEOGRAPHICAL INDICATION / A / HGL / CA11 /



Trade Name: ALMOND FROM MALLORCA EXTRACT / A / HGL / CA11 /
Product Code: EAMLAHGLC11.
INCI Name: AQUA, GLYCERIN, PRUNUS AMYGDALUS DULCIS FRUIT EXTRACT, POTASSIUM SORBATE.
INCI Status: Conforms.
REACH Status: Low Volume Exemption.
CAS Number: 7732-18-5; 56-81-5; 90320-37-9; 24634-61-5 / 590-00-1.
EC Number: 231-791-2; 200-289-5; 291-063-5; 246-376-1.
Origin: **GLYCERIN:** Vegetable origin.
PRUNUS AMYGDALUS DULCIS FRUIT EXTRACT: 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 and glycerin.
Appearance: Clear or 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: Denutrition, dermatose, wounds and superficial burns treatment. Shampoos. Hair repairing balms. Facial creams or milks to treat dry or ageing skin. Refatting and/or revitalizing masks.
Properties: Moisturizing, protective and emollient.
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

Sweet almond, deciduous tree belonging to the Rosaceae family, it is in wild from the Aegean Sea to the Pamir. Cultivated in temperate zones of Asia for millennia, it was introduced in Europe by the Greeks in the V century BC. In Spain began to cultivate in the early Middle Ages, reaching today a long stretch in the Mediterranean regions.

Almonds are the fruit and the seeds from the almond tree. Once stripped of their two shells, peel and skin, its composition is as follows: up to 40% water; 4-5% cellulosic fiber; 20-35% proteins; 40-50% fatty oil; 5-6% carbohydrates (especially sucrose); 3,5-5% mucilaginous substances; up to 1% mineral salts (mostly potassium salts) and discrete quantities of vitamins (A, B₁, B₂, PP, B₅, B₆).

ALMOND FROM MALLORCA EXTRACT by BIOGRÜNDL, S.L. is prepared by grinding the previously peeled almond and subsequent treatment with water and glycerin dragging active hydrophilic principles and some lipophilic principles.

USE AND DOSAGE

Treating properties of almond from Mallorca extract were already exploited by ancient cultures. Due to its high protein content rich in polar amino acids (glutamic acid, aspartic acid, lysine), it has high affinity with hair and skin keratin. Hence its restorative action on skin to treat denutrition, dermatose and superficial burns. The same is true about its action on hair, especially if it is weak or damaged.

Moreover, thanks to its fatty acid content, and especially to unsaturated fatty acid content, it acts on skin and hair repairing the protective fatty layer, thereby imparting gloss, smoothness and emollience.

Its use is indicated for facial creams or milks, intended to treat dry or aging skin; refatting and / or revitalizing masks; also in foam baths. In dermatology, for the treatment of dermatose, wounds and burns. In hair cosmetics, it is used in shampoos for dry, punished or debilitated hair and in repairing balms.

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%. For very special effects the dosage can raise up to 15%.



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PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear or 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.

DERMATOLOGY INNOCUOUSNESS

It was performed by the patch test (Patch test) on 10 volunteers. To this purpose, 15% ALMOND FROM MALLORCA 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.



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STORAGE CONDITIONS

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INCI DENOMINATION

AQUA, GLYCERIN, PRUNUS AMYGDALUS DULCIS FRUIT EXTRACT, POTASSIUM SORBATE.