



BIOGRÜNDL, S.L.  
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## TECHNICAL DATA SHEET

### OLIVE LEAF WATER / A / HP / CA11 /



**Trade Name:** OLIVE LEAF WATER / A / HP / CA11 /.

**Product Code:** AHOLIAHPC11.

**INCI Name:** AQUA, OLEA EUROPAEA LEAF OIL, POLYGLYCERYL-6 CAPRYLATE, POLYGLYCERYL-4 CAPRATE, POTASSIUM SORBATE.

**INCI Status:** Conforms.

**REACH Status:** Low Volume Exemption.

**CAS Number:** 7732-18-5; 8001-25-0; 108777-93-1; 74504-65-7; 24634-61-5 / 590-00-1.

**EC Number:** 231-791-2; 232-277-0; Not available; Not available; 246-376-1.

**Origin:** OLEA EUROPAEA LEAF 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/cm<sup>3</sup> (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:** Preparations intended to obtain better blood circulation and higher penetrability in capillaries at cutaneous level. Anti-wrinkle, anti-aging or photoprotection treatments. Preparations for sensitive, damaged, irritated, wounded or ulcerated skin.

**Properties:** Anti-oxidant, anti-wrinkle and anti-irritant.

**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

Olive tree (*Olea europaea*) is a typically Mediterranean tree, belonging to the Oleaceae family. Its evergreen leaves are harvested at any time of the year and, once dried, several active components can be extracted from them, among which the following stand out:

- Oleuropein, a bitter glycoside with clear vasodilator action. On the other hand, the diphenolic group contained in its molecule confers it some very remarkable antioxidant and neutralizing of free radicals properties (Figure 1.).

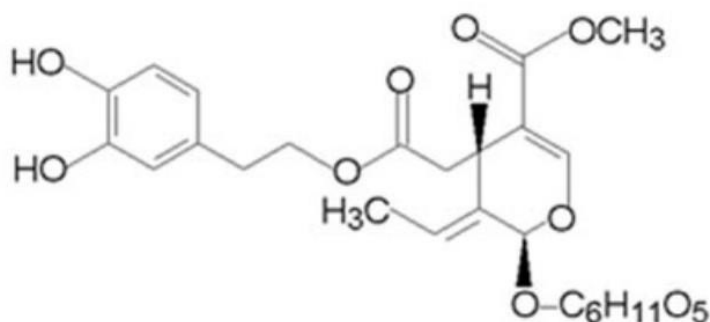


Figure 1. CHEMICAL CONFIGURATION OF OLEUROPEIN.

- Flavonoids, among which include luteolin-4-glucoside, luteolin-7-glucoside and apigenin-7-glucoside; as well as, the derivatives of caffeic and chlorogenic acids; all of them with remarkable antioxidant properties because of the polyphenol content.
- Triterpenes, the most notable of which is the oleanolic acid and its derivatives, which have shown good vulnerary, anti-ulcer and epithelial qualities (Figure 2.).

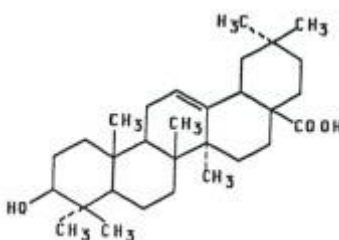


Figure 2. CHEMICAL CONFIGURATION OF OLEANOLIC ACID.



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OLIVE LEAF WATER by BIOGRÜNDL, S.L. is obtained by means of an exclusive method that extracts most of the active substances above mentioned.

### USE AND DOSAGE

The incorporation of olive leaf water is justified by its anti-oxidant, anti-wrinkle and anti-irritant properties.

According to the properties attributed to said active substances, its main uses are among the preparations intended to obtain better blood circulation and higher penetrability in the capillaries at cutaneous level (vitamin P effect). What results in a remarkable improvement of devitalized or aged skin. On the other hand, its antioxidant effect can be exploited in anti-wrinkle, anti-aging or photoprotection treatments. It should, also, be noted its use in preparations for sensitive, damaged, irritated, wounded or ulcerated 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 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:** 0,990 - 1,010 g/cm<sup>3</sup> (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 OLIVE LEAF 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, OLEA EUROPAEA LEAF OIL, POLYGLYCERYL-6 CAPRYLATE,  
POLYGLYCERYL-4 CAPRATE, POTASSIUM SORBATE.