

Wild Oregano

91-95% carvacrol of the volatile oils

15 ml / Code FE1233



A food supplement consisting of the oil from wild oregano, obtained from the species *Origanum minutiflorum* and which contains one of the highest natural concentrations of carvacrol (91-95% carvacrol of the volatile oils). The plant grows at an altitude of over 1,500 metres in the wilderness of the Turkish mountain range and this location determines its content in carvacrol. It is hand-picked and its **solvent free** extraction allows for the purest and highest quality of oil to be obtained. It appears mixed with organically grown olive oil obtained from the first cold press.



Vegan. Ovo-lactovegetarian. Gluten free. Dairy free.

FORMAT: 15 ml

FORMULA

Ingredients: Olive oil (*Olea europea*), oregano oil (*Origanum minutiflorum*).

Nutritional information:	3 drops
Olive oil ⁽¹⁾	0,072 ml
Oregano oil	0,015 ml
⁽¹⁾ Organic	

Cautions:

Consult a health-care practitioner if you are pregnant or breast-feeding, if you are treated with medication or if you have a special medical condition.

Recommended daily dose:

3 drops in a bit of water or juice (30 ml). Keep under your tongue for some minutes or gargle and swallow. With sufficient time intervals and by following the recommendation of a health-care professional administration can be repeated up to 8 times daily. For local application it is recommended to mix with a vegetable carrier oil. Do not exceed the recommended daily dose.

Indications and uses:

Different studies have shown that oregano oil can be of help for:

- Treating bacterial and viral infections, acting as a powerful immune stimulant, preventing and treating infections of the respiratory tract in general, common colds and the flu. It's effective even after the appearance of the first symptoms. If the throat is afflicted, it is very helpful to gargle a mix of oregano oil and water.
- It acts effectively in cases of candidiasis, parasites, warts, athlete's foot, insect bites and cold sores.
- It can also have positive effects on gastrointestinal problems. It stimulates bile and enzyme secretion, supporting and improving digestive function, and along with its antiseptic, antifungal and anti-parasitic properties, impedes the proliferation of pathogenic organisms in the gastrointestinal tract.
- Other practical uses include combating dandruff and seborrhoea caused by a fungal infection of the scalp (mix a few drops into shampoo), and improving or maintaining oral hygiene and combating infections of the mouth.

DETAILS:

This oil contains a highly pure oregano of the species *Origanum minutiflorum*, considered the best quality in the world for its high content in carvacrol (91-95%). It is hand-picked and its solvent-free extraction renders a highly pure, high-quality oil. In this presentation it is mixed with organic, first cold-pressed olive oil in order to avoid possible irritation to the skin or mucous membranes.

It has been popularly used for respiratory and gastrointestinal disorders, and now more and more experts are providing the evidence through numerous clinical studies behind these traditional uses. Many studies confirm its antioxidant, antibacterial, antiparasitic and antifungal activity, among other functions, giving this plant enormous expectations in the field of natural medicine.

INGREDIENTS:

OREGANO OIL: Oregano is well known for its culinary use and has also been used since antiquity as a medicinal remedy. For the oil extract, the *Origanum minutiflorum* variety has been used, which cannot be cultivated as it only grows wild in high areas of the Mediterranean, as of 1 500 meters.

Up to 56 different compounds have been identified, with two main phenolic compounds known as carvacrol and thymol being responsible for the powerful antibacterial activity present in oregano oil. Not all species of the genus *Origanum* present the same percentage of carvacrol and thymol. The botanical species used, as well as climate, altitude, and time it's harvested are all factors that affect the final composition of the oil^(1,2,10). Specifically, *Origanum minutiflorum*, a botanical species that grows in the Mediterranean area and is endemic to Turkey, is one of the richest species in carvacrol⁽¹¹⁻¹³⁾.

The carvacrol contained in oregano oil is one of the compounds with the highest antibacterial activity according to comparison studies between the different essential oils^(3,8,11). Studies confirm that oregano oil presents a broad spectrum of action, with antibacterial activity even superior to that of some of the most common known antibiotics like streptomycin or ciprofloxacin. Oregano oil has been proven effective for numerous bacterial species that can be pathogenic to the body, including gram negative (*Salmonella typhimurium*, *Escherichia coli*, *Klebsiella pneumoniae*, *Yersinia enterocolitica*, among others) as well as gram positive bacteria (*Staphylococcus aureus*, *Staphylococcus epidermidis*, *Listeria monocytogenes*, etc.)⁽³⁻¹³⁾.

Minimum inhibitory concentration (MIC) levels for carvacrol have been established at between 0,02 and 0,5 µg/ml, indicating that it possesses the greatest antibacterial activity since it presents the lowest required concentration in order to impede the growth of the different bacteria tested^(10,14).

Oregano oil also has antifungal capacity against fungi in the *Candida* and *Aspergillus* genus and yeasts^(9,10,13).

A review of different studies has covered the details of the diverse mechanisms behind the antimicrobial action associated with oregano oil. One of these mechanisms is related with the changes that occur in the bacterial cell membranes upon coming into contact with carvacrol and thymol, altering their integrity and causing an imbalance in their environment^(7,8,10). Other mechanisms are related to pathogenicity factors such as the presence of flagella or the formation of biofilms. Some studies suggest that some bacterial species don't develop said flagella in the presence of carvacrol and thymol, such as certain strains of *Escherichia coli*, and therefore lose their mobility, or their ability to form biofilms, as in the case of *Staphylococcus aureus* and *Staphylococcus epidermidis*, so their pathogenic activity is decreased^(7,16).

The results of studies carried out with oregano oil reveal its important potential for both the prevention and treatment of respiratory infections, parasitic infections, candidiasis, insect bites, athlete's foot and other infections associated with microorganisms sensitive to carvacrol, such as certain pathologies of the gastrointestinal tract⁽¹⁷⁾.

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