

ANALYSIS

Product Name : **ORGANIC OREGANO OIL - Vulgaris**
Aceite esencial de Oregano Vulgaris Ecológico

Botanical name : *Origanum vulgare*

Batch number : LSB109081

Origin : Spain

Analysis features :

Agilent GC System 7890A - Column : HP INNOWAX polaire : 60 m ´ 0,25 mm ´ 0,5 µm

Temperature program : 8 min to 95 °C – 4 °C/min till 190 °C - 29 min to 190°C

Carrier gas H2 : 30 psis/FID. Injector : split. Sample : 0.1 µl without dilution

The compounds of the essential oils are identified by retention times.

% Are calculated from the peak areas given by the GC / FID without the use of a correction factor.

Physical characteristics:

Density at 20°C	0,941
Refractive index at 20°C	1,504
Optical rotation at a 20°C	0,1

Production date:

Best before end:

GC Results

COMPONENTS	%	Standar
a-PINENE	1,04	0,2 - 1,5
a-THUYENE	1,37	0,2 - 2,5
CAMPHENE	0,15	
b-PINENE	0,16	
b-MYRCENE	1,63	0,5 - 3
a-PHELLANDRENE	0,18	
a-TERPINENE	0,96	0,5 - 2
LIMONENE	0,21	
1,8-CINEOLE + b-PHELLANDRENE	0,33	
g-TERPINENE	5,23	3 - 9
3-OCTANONE	0,28	
p-CYMENE	6,90	4 - 10
TERPINOLENE	0,09	
1-OCTEN-3-OL	0,63	
Trans-THUYANOL	0,28	
LINALOOL	1,26	Traces - 3
Cis-THUYANOL	0,11	
1-OCTANOL	0,04	
TERPINEN-4-OL	0,48	0,5 - 2
b-CARYOPHYLLENE	2,07	0,5 - 4
a-HUMULENE	0,15	
a-TERPINEOL	0,10	
BORNEOL	0,23	
b-BISABOLENE	0,22	
CARYOPHYLLEN OXYDE	0,17	
THYMOL	2,99	0,5 - 5
ISO CARVACROL	0,03	
CARVACROL	70,22	60 - 80
TOTAL	97,53	