

ANALYSIS

Product Name : OREGANO VULGARIS OIL
Aceite esencial de Oregano Vulgaris

Botanical name : *Origanum vulgare*

Batch number : LS102969

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	0,946
Refractive index at 20°C	1,508
Optical rotation at a 20°C	-0,1

Production date:

Best before end:

GC Results

COMPONENTS	%	Standar
a-PINENE	0,99	0.5 - 1.5
a-THUYENE	1,24	0.5 - 2.5
CAMPHENE	0,09	
b-PINENE	0,21	
b-MYRCENE	1,53	0.5 - 3
a-PHELLANDRENE	0,22	
a-TERPINENE	1,20	0.5 - 2
LIMONENE	0,28	
1,8-CINEOLE + b-PHELLANDRENE	0,45	
g-TERPINENE	5,11	3 - 9
3-OCTANONE	0,17	
p-CYMENE	5,75	4 - 10
TERPINOLENE	0,12	
1-OCTEN-3-OL	0,38	
Trans-THUYANOL	0,11	
LINALOOL	1,62	Traces - 3
Cis-THUYANOL	0,05	
1-OCTANOL	0,02	
TERPINEN-4-OL	0,69	0.5 - 2
b-CARYOPHYLLENE	2,47	0.5 - 4
a-HUMULENE	0,13	
NERAL	0,00	
a-TERPINEOL	0,17	
BORNEOL	0,21	
b-BISABOLENE	0,24	
CARYOPHYLLEN OXYDE	0,11	
THYMOL	4,08	0.5 - 5
ISO CARVACROL	0,05	
CARVACROL	70,11	60 - 80
TOTAL	97,79	

