

ANALYSIS

Product Name : **SPANISH OREGANO OIL - Capitatus**
Aceite esencial de Oregano Español - Tomillo Carrasqueño Ecológico

Botanical name : *Thymus capitatus*

Batch number :

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	0,942
Refractive index at 20°C	1,505
Optical rotation at a 20°C	-0,1

GC Results

COMPONENTS	%	Standar
a-PINENE	0,93	0.5 - 1.5
a-THUYENE	1,47	0.5 - 2
CAMPHENE	0,15	
b-PINENE	0,24	
b-MYRCENE	1,67	1 - 3
a-PHELLANDRENE	0,21	
a-TERPINENE	1,20	0.5 - 2.5
LIMONENE	0,23	
1,8-CINEOLE + b-PHELLANDRENE	0,41	
g-TERPINENE	6,61	3.5 - 10
3-OCTANONE	0,03	
p-CYMENE	7,06	5.5 - 9
TERPINOLENE	0,11	
1-OCTEN-3-OL	0,24	
Trans-THUYANOL	0,29	
LINALOOL	1,19	0.5 - 3
Cis-THUYANOL	0,12	
TERPINEN-4-OL	0,55	0.5 - 2
b-CARYOPHYLLENE	3,33	2 - 5
a-HUMULENE	0,11	
a-TERPINEOL	0,12	
BORNEOL	0,33	
GERANIAL	0,10	
GERANIOL	0,02	
CARYOPHYLLEN OXYDE	0,19	
EUGENOL	0,13	
THYMOL	0,59	
ISO CARVACROL	13,99	
CARVACROL	55,29	50 - 75
SANDAROCOPIMARADIENE	0,08	> 0.03
ABIETATRIENE	0,04	> 0.01
TOTAL	97,13	