

## ANALYSIS

**Product Name :** **ORGANIC THYMOL THYME OIL vulgaris**  
**Aceite esencial de Tomillo Timol vulgaris Ecológico**

**Botanical name :** Thymus vulgaris

**Batch number :** LSB107252

**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	0,923
Refractive index at 20°C	1,500
Optical rotation at a 20°C	-1,5

**Production date:**

**Best before end:**

## GC Results

COMPONENTS	%	Standar	Pharma
a-PINENE	0,94	0.5 - 2.5	
a-THUYENE	1,32	0.5 - 1.5	0.2 - 1.5
CAMPHENE	0,99	> 0.5	
b-PINENE	0,30		
b-MYRCENE	1,94	1 - 2.8	1 - 3
a-PHELLANDRENE	0,22		
a-TERPINENE	1,59	0.9 - 2.6	0.9 - 2.6
LIMONENE	0,41		
1,8-CINEOL + B-PHELLANDRENE	0,38		
g-TERPINENE	10,22	4 - 13	4 - 12
p-CYMENE	15,83	14 - 28	14 - 28
TERPINOLENE	0,12		
Trans-THUYANOL	0,24	trazas - 0.5	
CAMPHOR	0,80	> 0.5	
LINALOOL	4,50	0.5 - 6.5	1.5 - 6.5
BORNYL FORMIATE	0,05		
BORNYL ACETATE	0,07		
TERPI.-4-OL+METH.CARV.ETHER	1,39	0.1 - 2.5	0.1 - 2.5
b-CARYOPHYLLENE	1,95	0.5 - 4	
NERAL	0,08		
a-TERPINEOL	0,21		
TERPENYL ACETATE	0,04		
BORNEOL	1,22	> 1	
VERBENONE	0,19		
GERANIAL	0,01		
d-CADINENE	0,08		
g-CADINENE	0,06		
GERANIOL	0,05		
P-CYMEN-8-OL	0,08		
CARYOPHYLLEN OXYDE	0,23		
ISO THYMOL	0,07		
EUGENOL	0,02		
THYMOL	46,42	35 - 55	37 - 55
ISO CARVACROL	0,07		
CARVACROL	3,97	0.5 - 5.5	0.5 - 5.5
<b>TOTAL</b>	<b>96,06</b>		

