

ANALYSIS

Product Name : THYMOL THYME OIL zygis
Aceite esencial de Tomillo Timol zygis

Botanical name : *Thymus zygis*

Batch number : LS107264

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	0,925
Refractive index at 20°C	1,502
Optical rotation at a 20°C	-0,9

Production date:

Best before end:

GC Results

COMPONENTS	%	Standar	Pharma
a-PINENE	1,23	0.5 - 2.5	
a-THUYENE	1,17	0.5 - 1.5	0.2 - 1.5
CAMPHENE	0,43		
b-PINENE	0,16		
b-MYRCENE	1,33	1 - 2.8	1 - 3
a-PHELLANDRENE	0,13		
a-TERPINENE	0,95	0.9 - 2.6	0.9 - 2.6
LIMONENE	0,31		
1,8-CINEOL + B-PHELLANDRENE	0,28		
g-TERPINENE	9,78	4 - 11	4 - 12
p-CYMENE	18,91	14 - 28	14 - 28
TERPINOLENE	0,08		
Trans-THUYANOL	0,17	0 - 0.5	
CAMPHOR	0,02		
LINALOOL	4,19	3 - 6.5	1.5 - 6.5
BORNYL FORMIATE	0,05		
BORNYL ACETATE	0,05		
TERPI.-4-OL+METH.CARV.ETHER	1,04	0.1 - 2.5	0.1 - 2.5
b-CARYOPHYLLENE	1,32	0.5 - 2	
NERAL	0,07		
a-TERPINEOL	0,10		
TERPENYL ACETATE	0,03		
BORNEOL	0,90		
d-CADINENE	0,07		
g-CADINENE	0,05		
GERANIOL	0,05		
P-CYMEN-8-OL	0,07		
CARYOPHYLLEN OXYDE	0,10		
ISO THYMOL	0,10		
THYMOL	50,65	37 - 55	37 - 55
ISO CARVACROL	0,08		
CARVACROL	3,31	0.5 - 5.5	0.5 - 5.5
TOTAL	97,17		

