

ANALYSIS

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

Botanical name : Thymus vulgaris

Batch number : LS107856

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	-1,4

Production date: June 2019

Best before end: June 2023

GC Results

COMPONENTS	%	Standar	Pharma
a-PINENE	1,14	0.5 - 2.5	
a-THUYENE	1,36	0.5 - 1.5	0.2 - 1.5
CAMPHENE	0,96	> 0.5	
b-PINENE	0,57		
b-MYRCENE	1,96	1 - 2.8	1 - 3
a-PHELLANDRENE	0,24		
a-TERPINENE	1,54	0.9 - 2.6	0.9 - 2.6
LIMONENE	0,41		
1,8-CINEOL + B-PHELLANDRENE	0,33		
g-TERPINENE	10,33	4 - 13	4 - 12
p-CYMENE	16,45	14 - 28	14 - 28
TERPINOLENE	0,14		
Trans-THUYANOL	0,29	trazas - 0.5	
CAMPHOR	0,52	> 0.5	
LINALOOL	4,30	0.5 - 6.5	1.5 - 6.5
BORNYL FORMIATE	0,09		
BORNYL ACETATE	0,04		
TERPI.-4-OL+METH.CARV.ETHER	1,46	0.1 - 2.5	0.1 - 2.5
b-CARYOPHYLLENE	2,03	0.5 - 4	
NERAL	0,08		
a-TERPINEOL	0,32		
TERPENYL ACETATE	0,04		
BORNEOL	1,64	> 1	
VERBENONE	0,12		
GERANIAL	0,05		
d-CADINENE	0,08		
g-CADINENE	0,06		
GERANIOL	0,04		
P-CYMEN-8-OL	0,06		
CARYOPHYLLEN OXYDE	0,12		
ISO THYMOL	0,06		
EUGENOL	0,02		
THYMOL	46,69	35 - 55	37 - 55
ISO CARVACROL	0,07		
CARVACROL	3,64	0.5 - 5.5	0.5 - 5.5
TOTAL	97,22		

