

ANALYSIS

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

Botanical name : Thymus vulgaris

Batch number : LSB112693

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	1.500
Optical rotation at a 20°C	-1.6

Production date:

June 2021

Best before end:

June 2025

GC Results

COMPONENTS	%	Standar	Pharma
a-PINENE	0.94	0.5 - 2.5	
a-THUYENE	1.28	0.5 - 1.5	0.2 - 1.5
CAMPHENE	1.09	> 0.5	
b-PINENE	0.38		
b-MYRCENE	1.79	1 - 2.8	1 - 3
a-PHELLANDRENE	0.23		
a-TERPINENE	1.34	0.9 - 2.6	0.9 - 2.6
LIMONENE	0.40		
1,8-CINEOL + B-PHELLANDRENE	0.40		
g-TERPINENE	9.69	4 - 13	4 - 12
p-CYMENE	15.93	14 - 28	
TERPINOLENE	0.12		
Trans-THUYANOL	0.20	trazas - 0.5	
CAMPHOR	0.54	> 0.5	
LINALOOL	4.66	0.5 - 6.5	1.5 - 6.5
BORNYL FORMIATE	0.10		
BORNYL ACETATE	0.05		
TERPI.-4-OL+METH.CARV.ETHER	1.39	0.1 - 2.5	0.1 - 2.5
b-CARYOPHYLLENE	1.95	0.5 - 4	
NERAL	0.06		
a-TERPINEOL	0.53		
TERPENYL ACETATE	0.04		
BORNEOL	2.14	> 1	
VERBENONE	0.02		
GERANIAL	0.08		
d-CADINENE	0.09		
g-CADINENE	0.06		
GERANIOL	0.06		
P-CYMEN-8-OL	0.08		
CARYOPHYLLEN OXYDE	0.11		
ISO THYMOL	0.07		
EUGENOL	0.20		
THYMOL	46.84	35 - 55	37 - 55
ISO CARVACROL	0.07		
CARVACROL	4.05	0.5 - 5.5	0.5 - 5.5
TOTAL	96.98		