

ANALYSIS

Product Name : ORGANIC LEMON OIL
Aceite esencial de Limón Ecológico
Botanical name : *Citrus limon*
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	0.850
Refractive index at 20°C	1.475
Optical rotation at a 20°C	65.2

GC Results

COMPONENTS	%	Standar	Pharma
a-THUYENE	0.37		
a-PINENE	1.77	1.5 - 3	
b-PINENE	10.90	10 - 16	7 - 17
SABINENE	1.86	1.5 - 3	1 - 3
b-MYRCENE	1.62		
a-TERPINENE	0.18		
LIMONENE	68.66	60 - 70	56 - 78
b-PHELLANDRENE	0.32		
Cis-b-OCIMENE	0.05		
p-CYMENE	0.13	0 - 0.4	
TERPINOLENE	0.39		
g-TERPINENE	9.12	8 - 12	6 - 12
Trans-b-OCIMENE	0.06		
NONANAL	0.06		
CITRONELLAL	0.08		
LINALOOL	0.09		
b-CARYOPHYLLENE	0.19		< 0.5
NERAL	0.69	0.4 - 1	0.3 - 1.5
a-TERPINEOL	0.12	0.1 - 0.3	< 0.6
GERANIAL	1.42	0.6 - 2	0.5 - 2.3
NERYL ACETATE	0.41	0.2 - 0.6	0.2 - 0.9
GERANYL ACETATE	0.32	0.2 - 0.65	0.1 - 0.8
b-BISABOLENE	0.63	0.45 - 0.9	
NEROL	0.04		
GERANIOL	0.02		
TOTAL	99.48		