



ANALYSIS

Product Name : LEMON OIL
Aceite esencial de Limón
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	0,851
Refractive index at 20°C	1,474
Optical rotation at a 20°C	62,5

Mantener a temperatura inferior a 9°C

GC Results

COMPONENTS	%	Standar	Pharma
a-THUYENE	0,29		
a-PINENE	1,90	1.5 - 3	
b-PINENE	11,31	10 - 16	7 - 17
SABINENE	1,89	1.5 - 3	1 - 3
b-MYRCENE	1,61		
a-TERPINENE	0,18		
LIMONENE	68,37	60 - 70	56 - 78
b-PHELLANDRENE	0,36		
Cis-b-OCIMENE	0,04		
p-CYMENE	0,14	0 - 0.4	
TERPINOLENE	0,38		
g-TERPINENE	8,35	8 - 12	6 - 12
Trans-b-OCIMENE	0,08		
NONANAL	0,07		
CITRONELLAL	0,07		
LINALOOL	0,15		
b-CARYOPHYLLENE	0,19		< 0.5
NERAL	0,85	0.4 - 1	0.3 - 1.5
a-TERPINEOL	0,21	0.1 - 0.3	< 0.6
GERANIAL	1,40	0.6 - 2	0.5 - 2.3
NERYL ACETATE	0,41	0.2 - 0.6	0.2 - 0.9
GERANYL ACETATE	0,25	0.2 - 0.65	0.1 - 0.8
b-BISABOLENE	0,58	0.45 - 0.9	
NEROL	0,10		
GERANIOL	0,10		
TOTAL	99,28		