

ANALYSIS

Product Name : LEMON OIL
Aceite esencial de Limón
Botanical name : *Citrus limon*
Batch number : LS107745
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	62,9

Production date: Abril 2019

Best before end: Abril 2021

Maintain at a temperature lower than 9°C

GC Results

COMPONENTS	%	Standar	Pharma
α-THUYENE	0,26		
α-PINENE	1,93	1.5 - 3	
β-PINENE	11,22	10 - 16	7 - 17
SABINENE	1,87	1.5 - 3	1 - 3
β-MYRCENE	1,58		
α-TERPINENE	0,17		
LIMONENE	68,60	60 - 70	56 - 78
β-PHELLANDRENE	0,36		
Cis-β-OCIMENE	0,04		
p-CYMENE	0,15	0 - 0.4	
TERPINOLENE	0,37		
g-TERPINENE	8,23	8 - 12	6 - 12
Trans-β-OCIMENE	0,08		
NONANAL	0,07		
CITRONELLAL	0,07		
LINALOOL	0,13		
β-CARYOPHYLLENE	0,20		< 0.5
NERAL	0,81	0.4 - 1	0.3 - 1.5
α-TERPINEOL	0,20	0.1 - 0.3	< 0.6
GERANIAL	1,40	0.6 - 2	0.5 - 2.3
NERYL ACETATE	0,40	0.2 - 0.6	0.2 - 0.9
GERANYL ACETATE	0,24	0.2 - 0.65	0.1 - 0.8
β-BISABOLENE	0,57	0.45 - 0.9	
NEROL	0,10		
GERANIOL	0,10		
TOTAL	99,15		

