

ANALYSIS

Product Name : **ORANGE OIL**
Aceite esencial de Naranja

Botanical name : *Citrus sinensis*

Batch number : LS108845

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	0.846
Refractive index at 20°C	1.473
Optical rotation at a 20°C	96.0

Production date:

Best before end:

Mantener a temperatura inferior a 9°C

GC Results

COMPONENTS	%	Standar	Pharma
a-PINENE	0.55	0.4 - 0.8	0.4 - 0.6
b-PINENE	0.03	0.02 - 0.15	0.02 - 0.3
SABINENE	0.57	0.2 - 0.8	0.2 - 1.1
b-MYRCENE	2.14	1.5 - 3.5	1.7 - 2.5
LIMONENE	94.79	93 - 96	92 - 97
1,8-CINEOLE + b-PHELLANDRENE	0.36		
g-TERPINOLENE	0.01		
OCTANAL	0.25	0.1 - 0.4	0.1 - 0.4
NONANAL	0.03	0.01 - 0.06	
DECANAL	0.20	0.1 - 0.7	0.1 - 0.4
LINALOOL	0.20	0,15 - 0.7	0.2 - 0.7
NERAL	0.04	0.03 - 0.1	0.02 - 0.1
a-TERPINEOL	0.03		
VALENCENE	0.08	0.01 - 0.4	0.02 - 0.5
GERANIAL	0.07	0.05 - 0.2	0.03 - 0.2
CITRONELLOL	0.01		
GERANIOL	0.01		
b-SINENSAL	0.02	0.01 - 0.06	
a-SINENSAL	0.02		
TOTAL	99.41		