

## ANALYSIS

**Product Name :** **ORGANIC LAVENDER OIL**  
**Aceite esencial de Lavanda Ecológica**

**Botanical name :** *Lavandula angustifolia*

**Batch number :** LSB107921

**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	0,882
Refractive index at 20°C	1,462
Optical rotation at a 20°C	-9,5

**Production date:**

**Best before end:**

## GC Results

COMPONENTS	%	Standar	Pharma
a-PINENE	0,25		
CAMPHENE	0,12		
b-PINENE	0,23		
b-MYRCENE	0,65		
LIMONENE	0,35	0 - 1	< 1
1,8-CINEOLE + b-PHELLANDRENE	0,93	0 - 3	< 2.5
Cis-b-OCIMENE	4,37	1 - 10	
g-TERPINENE	0,20		
Trans-b-OCIMENE	4,08	0.5 - 6	
3-OCTANONE	0,40	0 - 3	0.1 - 5
HEXYL ACETATE	0,31		
p-CYMENE	0,21		
OCT-1-EN-3-YLE ACETATE	0,59		
3-HEXEN-1-OL	0,06		
3-OCTANOL	0,06		
HEXYL BUTYRATE	0,38		
Cis-OXYDE DE LINALOOL	0,12		
1-OCTEN-3-OL	0,16		
Trans-OXYDE DE LINALOOL	0,07		
CAMPHOR	0,59	0 - 1.5	< 1.2
LINALOOL	32,51	20 - 43	20 - 45
LINALYL ACETATE	31,11	25 - 47	25 - 47
a-SANTALENE	0,33		
b-CARYOPHYLLENE	3,79		
TERPINEN-4-OL	4,59	0 - 8	0.1 - 8
LAVANDULYL ACETATE	3,01	0 - 8	> 0.2
E-b-FARNESENE	1,70		
LAVANDULOL	0,83	0 - 3	> 0.1
a-TERPINEOL	1,76	0 - 2	< 2
BORNEOL	0,69		
GERMACRENE D	0,38		
NERYL ACETATE	0,28		
GERANYL ACETATE	0,46		
GERANIOL	0,33		
COUMARINE Mw=146	0,04		
<b>TOTAL</b>	<b>95,94</b>		

