

ANALYSIS

Product Name : **CITRONELLA OIL**
Aceite esencial de Citronela

Botanical name : *Cymbopogon winterianus*

Batch number : LS108183

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.

essenciales
aceites y esencias

Physical characteristics:

Density at 20°C	0.886
Refractive index at 20°C	1.470
Optical rotation at a 20°C	-3.3

Production date:

Best before end:

GC Results

COMPONENTS	%	Standar
A-PINENE + A-THUJENE	0.13	
SABINENE	0.02	
B-MYRCENE	0.11	
LIMONENE	3.88	1 - 5 %
B-PHELLANDRENE + 1,8 CINEOL	0.07	
TRANS-B-OCIMENE	0.17	
TERPINOLENE	0.08	
CITRONELLAL	36.97	30 - 45 %
a-BOURBONENE	0.43	
A-COPAENE + DECANAL	0.17	
ISOMENTHONE	0.07	
LINALOL	0.69	
NEOISOPULEGOL	0.22	
ISOPULEGOL	0.61	
E-CADINENE	0.06	
ELEMENE ISOMERE	0.12	
B-ELEMENE	1.32	
TERPINENE-4-OL	0.08	
B-CARYOPHYLLENE	0.41	
CITRONELLYL FORMIATE	0.01	
ISOPULEGOL ISOMERE	0.03	
ACETATE DE CITRONELLYLE	2.10	2 - 4 %
NERAL	0.40	<2
A-TERPINEOL	0.06	
G-MUUROLENE	0.13	
GERANYL FORMIATE	0.03	
NERYL ACETATE	0.04	
GERANIAL	0.38	<2
ACETATE DE GERANYLE	3.46	3 - 8 %
CITRONELLOL	9.99	9 - 15 %
D-CADINENE	1.26	
G-CADINENE	0.62	
NEROL	0.24	
GERANIOL	24.76	20 - 25 %
CUBENOL	0.15	
ELEMOL	2.27	
TOTAL	88.30	