

ANALYSIS

Product Name : **ORGANIC CISTUS OIL**
Aceite esencial de Cistus Ecológico

Botanical name : *Cistus ladaniferus*

Batch number : LSB107846

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	0,901
Refractive index at 20°C	1,477
Optical rotation at a 20°C	-12,9

Production date:

Best before end:

GC Results

COMPONENTS	%	Standar
TRICYCLEN	0,82	
a-PINENE	38,69	30 - 48
a-FENCHENE	0,11	
CAMPHERE	4,55	2 - 7
b-PINENE	0,44	
SABINENE	0,10	
PINADIENE	1,21	
b-MYRCENE	0,07	
a-PHELLANDRENE	0,25	
a-TERPINENE	0,84	
LIMONENE	1,37	
1,8-CINEOLE + b-PHELLANDRE	0,79	
g-TERPINENE	1,50	
STYRENE	0,06	
p-CYMENE	2,81	1,5 - 4
TERPINOLENE	0,43	
2,2,6-TRIMETHLCYCLOHEXANONE	2,61	1 - 4
Cis-OXYDE DE ROSE	0,10	
Trans-OXYDE DE ROSE	0,04	
a-p-DIMETHYLSTYRENE	1,37	0,4 - 2,5
b-THUYONE	0,22	
VITISPIRANE Mw=192	0,33	
ISOLEDENE + CYCLOSATIVENE	0,44	
a-COPAENE	1,03	
3-NONEN-2-ONE	0,57	
CAMPHERE	0,54	
PINOCAMPHONE	0,05	
LINALOL	0,21	
ISOPINOCAMPHONE	1,02	
ACETATE DE BORNYLE	4,29	2,5 - 6
NOPINONE	0,33	
TERPINENE-4-OL	1,29	
b-CARYOPHYLLENE	0,30	
b-COPAENE	0,31	
MYRTENAL	0,82	
Trans-PINOCARVEOL	4,49	2 - 6,5
ALLO-AROMADENDRENE	0,19	
NERAL	0,11	

COMPONENTS	%	Standar
BORNEOL	1,00	0,5 - 3
a-TERPINEOL	0,51	
LEDENE	2,51	1 - 6
VERBENONE	0,36	
CARVONE	0,12	
d-CADINENE	0,72	
g-CADINENE	0,14	
CADINA-1,4-DIENE	0,16	
GERANIOL	0,30	
p-CYMENE-8-OL	0,12	
a-CALACORENE	0,27	
PALUSTROL	0,20	
LEDOL	0,75	
GLEENOL Mw=222	0,27	
VIRIDIFLOROL	2,42	1,5 - 4
EUGENOL	0,06	
DEHYDROVIRIDIFLOROL	0,35	
CARVACROL	0,08	
TOTAL	84,99	

