

ANALYSIS

Product Name : CISTUS OIL
Aceite esencial de Cistus

Botanical name : *Cistus ladaniferus*

Batch number : LS111114

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	0,899
Refractive index at 20°C	1,477
Optical rotation at a 20°C	-12,9

Production date:

Best before end:

GC Results

COMPONENTS	%	Standar
TRICYCLENE	0,82	
a-PINENE	37,47	30 - 48
a-FENCHENE	0,15	
CAMPHENE	4,90	2 - 7
b-PINENE	0,50	
SABINENE	0,09	
PINADIENE	1,07	
b-MYRCENE	0,10	
a-PHELLANDRENE	0,28	
a-TERPINENE	0,93	
LIMONENE	2,23	
1,8-CINEOLE + b-PHELLANDRE	0,71	
g-TERPINENE	1,50	
STYRENE	0,09	
p-CYMENE	3,31	1,5 - 4
TERPINOLENE	0,80	
2,2,6-TRIMETHLCYCLOHEXANONE	2,37	1 - 4
Cis-OXYDE DE ROSE	0,19	
Trans-OXYDE DE ROSE	0,10	
a-p-DIMETHYLSTYRENE	1,49	0,4 - 2,5
b-THUYONE	0,17	
VITISPIRANE Mw=192	0,31	
ISOLEDENE + CYCLOSATIVENE	0,60	
a-COPAENE	0,57	
3-NONEN-2-ONE	0,35	
CAMPHRE	0,55	
PINOCAMPHONE	0,16	
LINALOL	0,47	
ISOPINOCAMPHONE	0,81	
ACETATE DE BORNYLE	3,77	2,5 - 6
NOPINONE	0,21	
TERPINENE-4-OL	1,36	
b-CARYOPHYLLENE	0,53	
b-COPAENE	0,50	
MYRTENAL	0,48	
Trans-PINOCARVEOL	3,05	2 - 6,5

COMPONENTS	%	Standar
ALLO-AROMADENDRENE	0,17	
NERAL	0,26	
BORNEOL	1,00	0,5 - 3
a-TERPINEOL	1,18	
LEDENE	3,60	1 - 6
VERBENONE	0,43	
CARVONE	0,08	
d-CADINENE	0,54	
g-CADINENE	0,20	
CADINA-1,4-DIENE	0,52	
GERANIOL	0,21	
p-CYMENE-8-OL	0,17	
a-CALACORENE	0,26	
PALUSTROL	0,19	
LEDOL	0,56	
GLEENOL Mw=222	0,36	
VIRIDIFLOROL	2,04	1,5 - 5
EUGENOL	0,04	
DEHYDROVIRIDIFLOROL	0,25	
CARVACROL	0,17	
TOTAL	85,05	