

ANALYSIS

Product Name : **BERGAMOT OIL**
Aceite Esencial de Bergamota

Botanical name : *Citrus bergamia*

Batch number : LS108854

Origin : *Italia*

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	0,871
Refractive index at 20°C	1,465
Optical rotation at a 20°C	29,1

Production date:

Best before end:

GC Results

COMPONENTS	%	Standar
a-PINENE	1,07	
CAMPHENE	0,02	
b-PINENE	6,37	5,5 – 9,5
SABINENE	0,64	
b-MYRCENE	0,72	
a-TERPINENE	0,05	
LIMONENE	37,57	30 - 45
1,8-CINEOLE + b-PHELLANDRENE	0,15	
Cis-b-OCIMENE	0,03	
g-TERPINENE	7,43	6 - 10
Trans-b-OCIMENE	0,10	
p-CYMENE	0,31	
TERPINOLENE	0,12	
LINALOL	12,96	3 - 15
ACETATE DE LINALYLE	29,06	22 - 36
a,trans-BERGAMOTENE	0,12	
b-CARYOPHYLLENE	0,25	
NERAL	0,15	
a-TERPINEOL	0,14	
ACETATE DE TERPENYLE	0,07	
ACETATE DE NERYLE	0,31	
b-BISABOLENE	0,32	0,30 – 0,55
GERANIAL	0,27	0,25 – 0,50
BICYCLOGERMACRENE	0,02	
ACETATE DE GERANYLE	0,23	
GERANIOL	0,04	
TOTAL	98,55	