

ANALYSIS

Product Name : **BITTER FENNEL OIL**
Aceite esencial de Hinojo Amargo

Botanical name : *Foeniculum vulgare*

Batch number : 89-974

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	1,499
Optical rotation at a 20°C	42,0

Production date:

Best before end:

GC Results

COMPONENTS	%	Standar	Pharma
a-PINENE	7,83	2 - 8	2 - 8
CAMPHENE	0,17		
b-PINENE	2,94	1 - 4	1 - 4
SABINENE	0,08		
b-MYRCENE	8,67	1 - 12	1 - 12
a-PHELLANDRENE	9,43	8 - 25	8 - 25
a-TERPINENE	0,05		
LIMONENE	21,72	8 - 30	8 - 30
b-PHELLANDRENE	0,88		
Cis-b-OCIMENE	1,07		
g-TERPINENE	0,33		
Trans-b-OCIMENE	0,07		
p-CYMENE	0,57		
TERPINOLENE	0,14		
FENCHONE	10,22	7 - 16	7 - 16
CAMPHOR	0,24		
LINALOOL	0,15		
b-CARYOPHYLLENE	0,00		
TERPINEN-4-OL	0,10		
ESTRAGOL	3,09	2 - 7	2 - 7
a-TERPINEOL	0,07		
Cis-ANETHOL	0,07	0 - 0.5	< 0.5
Trans-ANETHOL	29,04	15 - 30	15 - 40
ANISALDEHYDE	0,03	0 - 1	< 1
ANICETONE	0,34		
TOTAL	97,31		

