

ANALYSIS

Product Name : CORNMINT OIL
Aceite esencial de Menta Arvensis
Botanical name : Mentha arvensis
Batch number : LS108334
Origin : India

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	0,896
Refractive index at 20°C	1,459
Optical rotation at a 20°C	-17,6

Production date:

Best before end:

GC Results

COMPONENTS	%	Standard
a-PINENE	0,86	
b-PINENE	0,85	
SABINENE	0,22	
b-MYRCENE	0,37	
a-PHELLANDRENE	0,02	
LIMONENE	3,59	1 – 4
1,8-CINEOLE	0,21	0,2 – 1
Trans-b-OCIMENE	0,06	
p-CYMENE	0,09	
TERPINOLENE	0,10	
3-OCTANOL	0,46	0,2 – 1,8
Trans-THUYANOL	0,02	
MENTHONE	24,95	17 – 26
ISOMENTHONE	8,89	8 – 14
LINALOL	0,21	
ACETATE DE MENTHYLE	2,94	1,5 – 5
ISOPULEGOL	1,85	
ACETATE D'ISOMENTHYLE	0,31	
NEOMENTHOL	5,48	4 – 10
TERPINENE-4-OL	0,32	
b-CARYOPHYLLENE	0,80	0,5 – 2
NEOISOMENTHOL	0,04	
MENTHOL	37,67	33 – 45
PULEGONE	1,92	0,5 – 2,5
a-TERPINEOL + g-MUUROLENE	0,46	
PIPERITONE	0,02	
CARVONE	1,20	
d-CADINENE	0,15	
THYMOL	0,02	
TOTAL	94,12	