

ANALYSIS

Product Name : **ROMAN CHAMOMILE OIL**
Aceite esencial de Manzanilla Romana

Botanical name : *Anthemis nobilis*

Origin : Francia y España

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 whithout 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	0.909
Refractive index at 20°C	1.444
Optical rotation at a 20°C	-2.1

GC Results

COMPONENTS	%	Standar
ISOBUTYL ANGELATE + ISOAMYL METACRYLATE	33.85	
ISOAMYL ANGELATE	16.33	
METHYL ALLYL ANGELATE	8.98	
ISOBUTYL ISOBUTYRATE	2.30	
trans-PINOCARVEOL	8.40	
PINOCARVONE	3.64	
2-MEHYL BUTYL ANGELATE	4.41	
ISOAMYL ISOBUTYRATE	0.12	
a-PINENE	1.35	
ISOBUTYL METACHRYLATE	1.35	
MYRTENAL	0.47	
2-METHYLBUTYL METACRHYLATE	0.97	
BENZALDEHYDE	0.22	
GERMACRENE-D	0.01	
METHYL CHAVICOL	0.19	
CAMPHOR	0.09	
SABINENE	0.04	
p-CYMENE	0.31	
LIMONENE	0.11	
1,8-CINEOL	0.04	
GERANIOL	0.04	
LINALOOL	0.04	
TOTAL	83.26	