

# esenciales

aceites y esencias

## ANALYSIS

**Product Name :** SWEET MARJORAM OIL  
**Aceite esencial de Mejorana Dulce**  
**Botanical name :** *Origanum marjonana*  
**Batch number :** 03/2022  
**Origin :** Egipto

### 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	0.889
Refractive index at 20°C	1.473
Optical rotation at a 20°C	18.6

**Production date:**

**Best before end:**

## GC Results

COMPONENTS	%	Standar
a-PINENE	0.77	
a-THUJENE	0.60	
b-PINENE	0.61	
SABINENE	8.26	
b-MYRCENE	2.32	(1-5)
a-PHELLANDRENE	0.35	
a-TERPINENE	8.41	(5-10)
LIMONENE	2.18	
b-PHELLANDRENE	1.92	
g-TERPINENE	14.04	(8-17)
p-CYMENE	1.33	
TERPINOLENE	3.54	(2-5)
TRANS-TUJANOL	3.63	
e-SOLANONE	0.01	
LINALOL	1.29	(1-15)
cis-THUJANOL	11.53	
ACETATE DE LINALYLE	1.40	
trans-p-MENTH-2-EN-OL	1.34	
b-CARYOPHYLLENE	3.22	
TERPINENE-4-OL	22.74	(16-29)
cis-p-MENTH-2-EN-1-OL	0.10	
cis_PIPERITOL	0.30	
NERAL	0.21	
a-TERPINEOL	3.28	(2-5)
BICYCLOGERMAGRENE	1.39	
trans-PIPERITOL	0.43	
GERANIOL	0.10	
p-CYMENE-8-OL	0.03	
OXYDE DE CARYOPHYLLENE	0.08	
<b>TOTAL</b>	<b>95.41</b>	