



24 CHATHAM PLACE, BRIGHTON, BN1 3TN (UK)  
TEL. (UK) 0845 310 8066 International Tel. +44 1273 746505  
EMAIL: [info@nhrorganiccoils.com](mailto:info@nhrorganiccoils.com) Web Site: [www.nhrorganiccoils.com](http://www.nhrorganiccoils.com)

*Certificate of Analysis & Gas Chromatography*  
**Organic Oregano Essential Oil**  
*(Origanum vulgare)*

**Batch number: 160420-7**

**Country of 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	0,942
Refractive index at 20°C	1,505
Optical rotation at a 20°C	0,1

**LES ANALYSES DONT LES RESULTATS SONT PRESENTS SUR CE DOCUMENT ONT ETE EFFECTUEES PAR LE  
LABORATOIRE DE NOTRE FOURNISSEUR**

## GC Results

COMPONENTS	%	Standar
a-PINENE	0,81	<b>0,2 - 1,5</b>
a-THUYENE	1,43	<b>0,2 - 2,5</b>
CAMPHENE	0,25	
b-PINENE	0,11	
b-MYRCENE	1,81	<b>0,5 - 3</b>
a-PHELLANDRENE	0,21	
a-TERPINENE	1,18	<b>0,5 - 2</b>
LIMONENE	0,22	
1,8-CINEOLE + b-PHELLANDRENE	0,26	
g-TERPINENE	5,71	<b>3 - 9</b>
3-OCTANONE	0,22	
p-CYMENE	6,28	<b>4 - 10</b>
TERPINOLENE	0,11	
1-OCTEN-3-OL	0,43	
Trans-THUYANOL	0,23	
LINALOOL	1,25	<b>Traces - 3</b>
Cis-THUYANOL	0,08	
1-OCTANOL	0,02	
TERPINEN-4-OL	0,84	<b>0,5 - 2</b>
b-CARYOPHYLLENE	2,30	<b>0,5 - 4</b>
a-HUMULENE	0,16	
a-TERPINEOL	0,10	
BORNEOL	0,20	
b-BISABOLENE	0,28	
CARYOPHYLLEN OXYDE	0,12	
THYMOL	3,24	<b>0,5 - 5</b>
ISO CARVACROL	0,02	
CARVACROL	70,14	<b>60 - 80</b>
<b>TOTAL</b>	<b>98,02</b>	