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

Batch Number : 200220-1
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

Production date: June 2019

GC Results

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