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Certificate of Analysis & Gas Chromatography **Organic Spanish Sage Essential Oil - Mild** *(Salvia lavandulaefolia)*

Batch Number : 090620-14

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	0,916
Refractive index at 20°C	1,468
Optical rotation at a 20°C	14,7

GC Results

COMPONENTS	%	Standard	Pharma
TRICYCLEN	0,29		
α-PINENE	7,84	4 - 11	4 - 11
α-FENCHENE	0,03		
CAMPHERE	6,08		
β-PINENE	4,06		
SABINENE	1,74	0.1 - 3.5	0.1 - 3.5

b-MYRCENE	2,64		
a-TERPINENE	0,14		
LIMONENE	4,44	2 - 6	2 - 6.5
1,8-CINEOL	24,84	10 - 30	10 - 30.5
Cis-b-OCIMENE	0,20		
g-TERPINENE	0,34		
Trans-b-OCIMENE	0,10		
p-CYMENE	0,35		
TERPINOLENE	0,29		
a-THUYONE	0,04		
b-THUYONE	0,03		
Trans-THUYANOL	0,12		
CAMPHOR	28,40	11 - 36	11 - 36
LINALOOL	1,78	0.3 - 4	0.3 - 4
LINALYL ACETATE	4,03	0.1 - 5	< 5
BORNYL ACETATE	0,85		
b-CARYOPHYLLENE	0,88		
TERPINEN-4-OL	0,38		< 2
trans-SABINYL ACETATE	1,82	0.5 - 9	0.5 - 9
d-TERPINEOL	0,24		
a-HUMULENE + NERAL	0,44		
a-TERPINEOL	0,63		
TERPENIL ACETATE+Trans-SABINOL	1,36	0.5 - 9	0.5 - 9
BORNEOL	1,72	1 - 7	1 - 7
NERYL ACETATE	0,05		
GERANIAL	0,04		
GERANYL ACETATE	0,46		
d-CADINENE	0,08		
g-CADINENE	0,06		
GERANYL PROPIONATE	0,45		
GERANIOL	0,32		
CARYOPHYLLEN OXYDE	0,08		
VIRIDIFLOROL	0,10		
SPATHULENOL	0,07		
TOTAL	97,79		