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

Batch number : 280120-5

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	0,918
Refractive index at 20°C	1,469
Optical rotation at a 20°C	14,5

Production date:

September 2019

## GC Results

COMPONENTS	%	Standard	Pharma
TRICYCLENE	0,22		
a-PINENE	7,24	<b>4 - 11</b>	<b>4 - 11</b>
a-FENCHENE	0,03		
CAMPHENE	5,87		
b-PINENE	3,93		
SABINENE	1,68	<b>0.1 - 3.5</b>	<b>0.1 - 3.5</b>
b-MYRCENE	2,42		
a-TERPINENE	0,12		
LIMONENE	4,39	<b>2 - 6</b>	<b>2 - 6.5</b>
1,8-CINEOL	24,98	<b>10 - 30</b>	<b>10 - 30.5</b>
Cis-b-OCIMENE	0,16		
g-TERPINENE	0,37		
Trans-b-OCIMENE	0,09		
p-CYMENE	0,44		
TERPINOLENE	0,27		
a-THUYONE	0,04		
b-THUYONE	0,03		
Trans-THUYANOL	0,14		
CAMPHOR	28,65	<b>11 - 36</b>	<b>11 - 36</b>
LINALOOL	1,50	<b>0.3 - 4</b>	<b>0.3 - 4</b>
LINALYL ACETATE	2,97	<b>0.1 - 5</b>	<b>&lt; 5</b>
BORNYL ACETATE	0,92		
b-CARYOPHYLLENE	1,01		
TERPINEN-4-OL	0,40		<b>&lt; 2</b>
trans-SABINYL ACETATE	1,98	<b>0.5 - 9</b>	<b>0.5 - 9</b>
d-TERPINEOL	0,29		
a-HUMULENE + NERAL	0,56		
a-TERPINEOL	0,66		
TERPENIL ACETATE+Trans-SABINOL	2,17	<b>0.5 - 9</b>	<b>0.5 - 9</b>
BORNEOL	2,47	<b>1 - 7</b>	<b>1 - 7</b>
NERYL ACETATE	0,05		
GERANIAL	0,05		
GERANYL ACETATE	0,28		
d-CADINENE	0,09		
g-CADINENE	0,06		
GERANYL PROPIONATE	0,51		
GERANIOL	0,43		
CARYOPHYLLEN OXYDE	0,11		
VIRIDIFLOROL	0,11		
SPATHULENOL	0,09		
<b>TOTAL</b>	<b>97,80</b>		