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*Certificate of Analysis Sheet*  
**Organic Spanish Sage Essential Oil**  
*(Salvia lavandulaefolia)*

Batch number : 201120-7

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 H<sub>2</sub> : 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	1,468
Optical rotation at a 20°C	14,7

Production date:

September 2020

## GC Results

COMPONENTS	%	Standard	Pharma
TRICYCLEN	0,36		
a-PINENE	7,56	4 - 11	4 - 11
a-FENCHENE	0,02		
CAMPHENE	6,03		
b-PINENE	3,63		
SABINENE	1,75	0.1 - 3.5	0.1 - 3.5
b-MYRCENE	2,14		
a-TERPINENE	0,12		
LIMONENE	4,10	2 - 6	2 - 6.5
1,8-CINEOL	24,78	10 - 30	10 - 30.5
Cis-b-OCIMENE	0,15		
g-TERPINENE	0,38		
Trans-b-OCIMENE	0,08		
p-CYMENE	0,36		
TERPINOLENE	0,21		
a-THUYONE	0,04		
b-THUYONE	0,02		
Trans-THUYANOL	0,13		
CAMPHOR	28,86	11 - 36	11 - 36
LINALOOL	2,96	0.3 - 4	0.3 - 4
LINALYL ACETATE	3,75	0.1 - 5	< 5
BORNYL ACETATE	0,64		
b-CARYOPHYLLENE	0,85		
TERPINEN-4-OL	0,34		< 2
trans-SABINYL ACETATE	2,15	0.5 - 9	0.5 - 9
d-TERPINEOL	0,26		
a-HUMULENE + NERAL	0,40		
a-TERPINEOL	0,51		
TERPENIL ACETATE+Trans-SABINOL	2,58	0.5 - 9	0.5 - 9
BORNEOL	1,79	1 - 7	1 - 7
NERYL ACETATE	0,04		
GERANIAL	0,06		
GERANYL ACETATE	0,37		
d-CADINENE	0,06		
g-CADINENE	0,17		
GERANYL PROPIONATE	0,29		
GERANIOL	0,26		
CARYOPHYLLEN OXYDE	0,08		
VIRIDIFLOROL	0,06		
SPATHULENOL	0,06		
<b>TOTAL</b>	<b>98,40</b>		