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

Batch number : 250920-8

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    |
|--------------------------------|-------|-----------|-----------|
| TRICYCLENE                     | 0,29  |           |           |
| a-PINENE                       | 7,84  | 4 - 11    | 4 - 11    |
| a-FENCHENE                     | 0,03  |           |           |
| CAMPHENE                       | 6,08  |           |           |
| b-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 |

|              |              |
|--------------|--------------|
| <b>TOTAL</b> | <b>97,79</b> |
|--------------|--------------|

RESULTATS FOURNIS PAR LE LABORATOIRE DE NOTRE FOURNISSEUR /  
RESULTS PROVIDED BY THE LABORATORY OF OUR SUPPLIER.