



## Certificate of Analysis

### 1) Product Identification

Product Name: Clary Sage Essential Oil  
 Botanical Name: Salvia sclarea  
 Country of Origin: Russia  
 Cultivation Method: Conventional  
 Extraction Method: Steam Distilled  
 Plant Part: Leaves and Flowers  
 Lot #: 1  
 Best by Date: May 2019

### 2) Physical and Chemical Properties

|                   |                                                  |          |
|-------------------|--------------------------------------------------|----------|
| Appearance:       | Clear, pale yellow to olive yellow mobile liquid | Conforms |
| Odor:             | Characteristic                                   | Conforms |
| Specific Gravity: | 0.880 to 0.930 @ 20°C                            | Conforms |
| Refractive Index: | 1.450 to 1.473 @ 20°C                            | Conforms |
| Solubility:       | Soluble in alcohol and oils. Insoluble in water. | Conforms |

### 3) Gas Chromatography Analysis (Typical)

Components:

|                            |        |                         |       |
|----------------------------|--------|-------------------------|-------|
| alpha-Pinene               | 0.02%  | beta-Cubebene           | 0.22% |
| beta-Pinene                | 0.35%  | beta-Longipinene        | 0.07% |
| Myrcene                    | 0.88%  | (E)-Caryophyllene       | 4.51% |
| delta-3-Carene             | 0.25%  | beta-Copaene            | 0.03% |
| Limonene                   | 0.38%  | alpha-Caryophyllene     | 0.52% |
| (E)-beta-Ocimene           | 1.31%  | 9-epi-(E)-Caryophyllene | 0.07% |
| Terpinolene                | 0.43%  | gamma-Murolene          | 0.06% |
| Linalool                   | 21.83% | Germacrene D            | 0.51% |
| 4-Terpineol                | 0.09%  | Eremophilene            | 0.04% |
| Hex-(3Z)-enyl butyrate     | 0.04%  | alpha-Zingiberene       | 0.01% |
| Hex-(3Z)-enyl isobutanoate | 2.25%  | Bicyclgermacrene        | 0.35% |
| alpha-Terpineol            | 5.37%  | (E,E)-alpha-Farnesene   | 0.07% |
| Nerol                      | 1.61%  | gamma-Cadinene          | 0.02% |
| Linalyl acetate            | 44.87% | beta-Dihydroagarofuran  | 0.01% |
| Geranial                   | 0.17%  | delta-Cadinene          | 0.49% |
| Neryl formate              | 0.03%  | epi-Longipinanol        | 0.01% |

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### 3) Gas Chromatography Analysis (Typical) – Cont.

Components:

|                        |       |                                   |       |
|------------------------|-------|-----------------------------------|-------|
| Bornyl acetate         | 0.02% | (E)-Nerolidol                     | 0.05% |
| Geranyl formate        | 0.02% | Caryophyllene oxide               | 0.16% |
| 4-vinyl-Guaiacol       | 0.02% | Epicubenol                        | 0.02% |
| alpha-Terpinyl formate | 0.16% | T-Muurolol                        | 0.02% |
| alpha-Terpinyl acetate | 0.23% | beta-Eudesmol                     | 0.02% |
| Neryl acetate          | 3.64% | Eudesm-11-en-4-alpha,6-alpha-diol | 0.02% |
| alpha-Copaene          | 1.94% | Abienol                           | 0.23% |
| Geranyl acetate        | 6.47% |                                   |       |

### 4) Storage Conditions

Store at temperature <30°C in closed containers and protected from direct sunlight.

### 5) Remarks

This Essential Oil is a 100% pure and natural product.  
It does not contain any artificial ingredients or adulteration of any kind to the best of our knowledge.

### 6) Disclaimer

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