



## Certificate of Analysis

### 1) Product Identification

Product Name: Marjoram Essential Oil  
Botanical Name: Origanum majorana  
Country of Origin: Spain  
Cultivation Method: Organic  
Extraction Method: Steam Distilled  
Plant Part: Leaves and Flowering Tops  
Lot #: 1  
Best by Date: February 2019

### 2) Physical and Chemical Properties

Appearance:	Colourless to pale yellow or amber	Conforms
Odor:	Characteristic	Conforms
Specific Gravity:	0.904 to 0.920 @ 20°C	Conforms
Refractive Index:	1.458 to 1.468 @ 20°C	Conforms
Optical Rotation:	10.0° to -5.0° @ 20°C	Conforms
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Conforms

### 3) Gas Chromatography Analysis (Typical)

#### Components:

alpha-Pinene	Trace – 2.0%	(Z)-Sabinene hydrate	27.0 – 36.0%
Sabinene	5.0 – 8.0%	Terpinen-4-ol	17.0 – 22.0%
alpha-Terpinene	3.0 – 6.0%	alpha-Terpineol	2.0 – 4.0%
gamma-Terpinene	7.0 – 10.0%		

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#### **4) Storage Conditions**

Store at temperature <math><30^{\circ}\text{C}</math> 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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