



*Healing Body, Mind, and Spirit
with Pure Essential Oils Since 1995*

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Certificate of Analysis: Sweet Marjoram Essential Oil, *Origanum marjorana*, Egypt.

Certificate of analysis No: 019930

Date: 3/9/2015

Lot No: 0016936

Odour: conform

Appearance: conform

Colour: conform

Physico-Chemical Properties:

Specific gravity at 20°C = 0,894

Refractive index at 20°C = 1,473

Optical rotation at 20°C = +19,5°

Gas Chromatographic Analyse:

Components	%
terpinene-1-ol-4	23.79
cis-sabinene hydrate	14.99
gamma-terpinene	13.92
alpha-terpinene	8.47
sabinene	7.20
trans-sabinene hydrate	3.92
terpinolene	3.15
alpha-terpineol	3.13
limonene	2.18
beta-caryophyllene	2.10
myrcene	2.09
cineol-1.8 and beta-phellandrene	1.96
para-cymene	1.55
linalyl acetate	1.41
cis para-menth-2-en-1-ol	1.40
linalool	1.07
alpha-pinene	0.80
beta-pinene	0.43
	93,56