

Certificate of Analysis

Product: Marjoram Sweet Oil (Egypt)
Botanical Name: *Origanum majorana*
Plant Part used: Leaves and flowering heads
Extraction: Steam distilled

Physical data	<u>Specification</u>	<u>Result</u>
Appearance:	Clear mobile liquid	Complies
Colour:	Pale straw yellow to yellow	Complies
Odour:	Warm, characteristic	Complies
Specific Gravity at 20°C:	0.860 to 0.920	0.894
Refractive index at 20°C:	1.455 to 1.480	1.473
Optical Rotation at 20°C:	+14° to +30°	+21°

Chromatographic Profile

Sample	Component	Specification Peak Area (%)	Result Peak Area (%)
<i>Origanum majorana</i>	Sabinene	2.0 to 10.0	7.5
	b-Myrcene	Trace to 5.0	2.0
	a-Terpinene	2.0 to 12.0	8.7
	g-Terpinene	5.0 to 18.0	14.0
	Terpinen-4-ol	10.0 to 28.0	22.7
	a-Terpineol	Trace to 5.0	2.7