

CERTIFICATE OF ANALYSIS

PRODUCT NAME: MARJORAM SWEET OIL

BOTANICAL NAME: *Origanum majorana*

COUNTRY OF ORIGIN: EGYPT

TEST (UNIT)	SPECIFICATION	RESULT
APPEARANCE	MOBILE LIQUID	MOBILE LIQUID
COLOUR	COLOURLESS TO YELLOW	PALE YELLOW
CLARITY	CLEAR, NO FOREIGN MATTER	CLEAR, NO FOREIGN MATTER
ODOUR	CHARACTERISTIC, SPICY, HERBAL	CHARACTERISTIC
SPECIFIC GRAVITY @ 20°C	0.884 to 0.912	0.893
OPTICAL ROTATION @ 20°C	0° to +32°	+22°
REFRACTIVE INDEX @ 20°C	1.463 to 1.481	1.473
CHROMATOGRAPHIC PROFILE		
SABINENE (%)	2.0 to 10.0	8.9
BETA-MYRCENE (%)	Trace to 5.0	2.2
ALPHA-TERPINENE (%)	2.0 to 12.0	8.7
GAMMA-TERPINENE (%)	5.0 to 18.0	13.8
TERPINEN-4-OL (%)	10.0 to 28.0	21.3
ALPHA-TERPINEOL (%)	Trace to 5.0	3.3