

CERTIFICATE OF ANALYSIS

PRODUCT NAME: MARJORAM MAJORANA OIL ORGANIC

BOTANICAL NAME: *Origanum majorana*

COUNTRY OF ORIGIN: EGYPT

TEST (UNIT)	SPECIFICATION	RESULT
APPEARANCE	MOBILE LIQUID	MOBILE LIQUID
COLOUR	COLOURLESS TO PALE YELLOW	VERY 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	0.892
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
MYRCENE (%)	Trace to 5.0	2.2
ALPHA-TERPINENE (%)	2.0 to 15.0	8.9
GAMMA-TERPINENE (%)	5.0 to 20.0	14.2
TRANS-SABINENE HYDRATE, LINALOOL (%)	4.0 to 30.0	16.4
TERPINENE-4-OL (%)	10.0 to 36.0	21.9
LINALYL ACETATE (%)	Trace to 5.0	1.6
BETA-CARYOPHYLLENE (%)	Trace to 5.0	2.5