

CERTIFICATE OF ANALYSIS

PRODUCT NAME: GERANIUM OIL (EGYPT) - ORGANIC ACO/USDA

BOTANICAL NAME: *Pelargonium graveolens*

COUNTRY OF ORIGIN: EGYPT

TEST (UNIT)	SPECIFICATION	RESULT
APPEARANCE	MOBILE LIQUID	MOBILE LIQUID
COLOUR	PALE YELLOW TO OLIVE-GREEN	YELLOW
CLARITY	CLEAR, NO FOREIGN MATTER	CLEAR, NO FOREIGN MATTER
ODOUR	SWEET, FLORAL, ROSY-LEAFY	CHARACTERISTIC
SPECIFIC GRAVITY @ 20°C	0.860 to 0.905	0.894
OPTICAL ROTATION @ 20°C	-15° to -2°	-11°
REFRACTIVE INDEX @ 20°C	1.461 to 1.475	1.467
CHROMATOGRAPHIC PROFILE		
LINALOOL (%)	2.0 to 15.0	4.2
MENTHONE (%)	Trace to 10.0	1.1
ISO-MENTHONE (%)	Trace to 10.0	6.0
CITRONELLOL (%)	20.0 to 50.0	36.1
GERANIOL (%)	10.0 to 23.0	14.0