

CERTIFICATE OF ANALYSIS

PRODUCT NAME: NEROLI BIGARADE OIL ORGANIC

BOTANICAL NAME: *Citrus aurantium*

COUNTRY OF ORIGIN: EGYPT

TEST (UNIT)	SPECIFICATION	RESULT
APPEARANCE	MOBILE LIQUID	MOBILE LIQUID
COLOUR	PALE YELLOW TO YELLOW-AMBER	YELLOW
CLARITY	CLEAR, NO FOREIGN MATTER	CLEAR, NO FOREIGN MATTER
ODOUR	INTENSE BUT LIGHT, REFRESHING, FLORAL	CHARACTERISTIC
SPECIFIC GRAVITY @ 20°C	0.860 to 0.890	0.875
OPTICAL ROTATION @ 20°C	+1° to +27°	+6°
REFRACTIVE INDEX @ 20°C	1.464 to 1.474	1.468
CHROMATOGRAPHIC PROFILE		
BETA-PIENE (%)	7.0 to 17.0	4.2
LIMONENE (%)	9.0 to 18.0	14.1
LINALOOL (%)	28.0 to 48.0	45.0
ALPHA-TERPINEOL (%)	2.0 to 5.5	4.6
NERYL ACETATE (%)	Max 2.5	1.0
GERANYL ACETATE (%)	1.0 to 5.0	1.9
TRANS-NEROLIDOL (%)	1.0 to 5.0	1.0
METHYL ANTHRANILATE (%)	0.1 to 1.0	0.2