

CERTIFICATE OF ANALYSIS

PRODUCT NAME: ELEMI OIL
COUNTRY OF ORIGIN: MOROCCO
BOTANICAL NAME: *Canarium luzonicum*

TEST	SPECIFICATION	RESULT
APPEARANCE	MOBILE LIQUID	MOBILE LIQUID
COLOUR	COLOURLESS TO YELLOW	PALE YELLOW
CLARITY	CLEAR, NO FOREIGN MATTER	CLEAR, NO FOREIGN MATTER
ODOUR	PLEASANT, FRESH, PEPPERCORN-LIKE	CHARACTERISTIC
SPECIFIC GRAVITY @ 20°C	0.845 to 0.885	0.862
OPTICAL ROTATION @ 20°C	+50° to +80°	+68°
REFRACTIVE INDEX @ 20°C	1.470 to 1.490	1.478
CHROMATOGRAPHIC PROFILE		
ALPHA-PINENE (%)	Trace to 8	0.2
ALPHA- PHELLANDRENE (%)	8 to 28	21
D-LIMONENE (%)	35 to 75	57
ALPHA-TERPINEOL (%)	Trace to 5	1
ELEMICIN (%)	Trace to 10	1
ELEMOL (%)	Trace to 28	4