

CERTIFICATE OF ANALYSIS

PRODUCT NAME: GINGER OIL ORGANIC

BOTANICAL NAME: *Zingiber officinale*

COUNTRY OF ORIGIN: SRI LANKA

TEST (UNIT)	SPECIFICATION	RESULT
APPEARANCE	MOBILE LIQUID	MOBILE LIQUID
COLOUR	PALE YELLOW TO YELLOW-ORANGE	YELLOW
CLARITY	CLEAR, NO FOREIGN MATTER	CLEAR, NO FOREIGN MATTER
ODOUR	WARM, SHARP, FRESH, WOODY, SPICY	CHARACTERISTIC
SPECIFIC GRAVITY @ 20°C	0.860 to 0.890	0.879
OPTICAL ROTATION @ 20°C	-40° to -10°	-38°
REFRACTIVE INDEX @ 20°C	1.485 to 1.494	1.492
CHROMATOGRAPHIC PROFILE		
ALPHA-PINENE (%)	Trace to 10	1
CAMPHENE (%)	Trace to 15	4
AR-CURCUMENE (%)	5 to 20	8
ALPHA-ZINGIBERENE (%)	Min 20	32
BETA-BISABOLENE (%)	5 to 20	6