

# CERTIFICATE OF ANALYSIS

PRODUCT NAME: CITRONELLA OIL

BOTANICAL NAME: *Cymbopogon winterianus*

COUNTRY OF ORIGIN: INDONESIA

TEST (UNIT)	SPECIFICATION	RESULT
APPEARANCE	MOBILE LIQUID	MOBILE LIQUID
COLOUR	PALE YELLOW TO BROWN	PALE YELLOW
CLARITY	CLEAR, NO FOREIGN MATTER	CLEAR, NO FOREIGN MATTER
ODOUR	FRESH, CITRONELLAL-LIKE, SWEET, WOODY, SOMEWHAT FLORAL BACKGROUND	CHARACTERISTIC
SPECIFIC GRAVITY @ 20°C	0.878 to 0.895	0.884
OPTICAL ROTATION @ 20°C	-6° to 0°	-3°
REFRACTIVE INDEX @ 20°C	1.466 to 1.475	1.469
<b>CHROMATOGRAPHIC PROFILE</b>		
CITRONELLAL (%)	28.0 to 50.0	42.3
CITRONELLOL (%)	8.0 to 18.0	9.3
GERANIOL (%)	15.0 to 30.0	24.5