

# CERTIFICATE OF ANALYSIS

PRODUCT NAME: VETIVER OIL JAVA

BOTANICAL NAME: *Chrysopogon zizanioides*

COUNTRY OF ORIGIN: INDONESIA

TEST (UNIT)	SPECIFICATION	RESULT
APPEARANCE	SLIGHTLY VISCOUS MOBILE LIQUID	SLIGHTLY VISCOUS MOBILE LIQUID
COLOUR	REDDISH-BROWN TO DARK BROWN	DARK BROWN
CLARITY	NO FOREIGN MATTER	NO FOREIGN MATTER
ODOUR	SWEET, RICH WOODY-EARTHY, SMOKY	CHARACTERISTIC
SPECIFIC GRAVITY @ 20°C	0.965 to 1.041	0.991
OPTICAL ROTATION @ 20°C	+14° to +46°	+15°
REFRACTIVE INDEX @ 20°C	1.510 to 1.531	1.522
<b>CHROMATOGRAPHIC PROFILE</b>		
BETA-VETIVENENE (%)	2 to 15	5
KHUSIMOL (%)	3 to 20	8
BETA-VETIVONE (%)	Trace to 6	2
ALPHA-VETIVONE (%)	Trace to 6	1