

CERTIFICATE OF ANALYSIS

PRODUCT NAME: SANDALWOOD OIL (AUSTRALIA)

BOTANICAL NAME: *Santalum spicatum*

COUNTRY OF ORIGIN: AUSTRALIA

TEST (UNIT)	SPECIFICATION	RESULT
APPEARANCE	MOBILE LIQUID	MOBILE LIQUID
COLOUR	PALE YELLOW TO GOLDEN YELLOW	YELLOW
CLARITY	CLEAR, NO FOREIGN MATTER	CLEAR, NO FOREIGN MATTER
ODOUR	WARM, SWEET, STRONG, RICH WOODY	CHARACTERISTIC
SPECIFIC GRAVITY @ 20°C	0.930 to 0.980	0.958
OPTICAL ROTATION @ 20°C	-12.0° to +10.0°	-5.0°
REFRACTIVE INDEX @ 20°C	1.498 to 1.518	1.505
CHROMATOGRAPHIC PROFILE		
BETA-CURCUMENE (%)	Trace to 10.0	0.4
ALPHA-SANTALOL (%)	10.0 to 25.0	17.5
ALPHA-BISABOLOL + CIS-ALPHA-BERGAMOTOL (%)	2.0 to 15.0	12.4
TRANS, TRANS-FARNESOL (%)	2.0 to 20.0	8.2
BETA-SANTALOL (%)	Trace to 15.0	1.6
CIS-NUCIFEROL (%)	2.0 to 18.0	5.6
CIS-BETA-CURCUMENE-12-OL (%)	2.0 to 15.0	4.7
CIS-LANCEOL (%)	Trace to 10.0	5.7