



CERTIFICATE OF ANALYSIS

Sandalwood (Australian)

Santalum spicatum

PRODUCT NAME:

Sandalwood Oil

BATCH REFERENCE:

KF008

CERTIFICATION DATE:

15th November 2018

RETEST DATE:

1st November 2023

GC Chromatographic Analysis

Parameter	% Concentration Ratio	ISO Specification*
(Z)- α -santalol	23.15	15.0 – 25.0
Epi- α -bisabolol	4.856	2.0 – 12.5
Z- α -trans-bergamotol	3.345	2.0 – 10.0
Epi- β -santalol	1.918	0.5 – 3.5
Z- β -santalol	6.779	5.0 – 20.0
E, E-farnesol	8.077	2.5 – 15.0
Z-nuciferol	13.092	2.0 – 15.0
Z-lanceol	2.247	1.0 – 10.0

*ISO22769:2009 – Oil of Australian Sandalwood (*Santalum spicatum*)

Physical Elucidation

Parameter	Value**	ISO Specification
Relative density	0.978	0.945 – 0.980
Refractive index	1.5032	1.5000 – 1.5170
Optical Rotation	0.52	– 16.0 to +4.0
Acid Value	3.3	NMT 5
Flash Point	140°C	140°C

**All parameters are tested under 20°C controlled environment.

Organoleptic Elucidation

Appearance: Clear, viscous liquid, almost colourless to golden.

Complies

Odor: Sweet, Soft, Woody, Musky

Complies

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William Yang

Date : 15th November 2018

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