

CERTIFICATE OF ANALYSIS COVER PAGE

SAMPLE NAME	Sandalwood Oil Indian		
CLIENT	Sandal Oils Australia	ARL JOB NUMBER	A26-00-1222
CUSTOMER REFERENCE	SK6-F5-16 Main	SAMPLE ID	A26-00-1222-0001
SAMPLE FORM	Essential oil	CERTIFICATE NUMBER	ISSUE 1
METHOD	ARL-TM101-4	CERTIFICATE DATE	08 May 2026
ANALYSIS	GC-FID analysis of indian sandalwood (Santalum album) to ISO spec		
CERTIFICATE ID	A26-00-1222-0001_GC_SANDALWOOD(ALBUM)_ISO_FULL_ARL2		

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QC AUTHORISED	<i>A. Mann</i>		

TEST	SPECIFICATION	RESULTS
	Sandalwood Oil IndianISO	---
Optical Rotation (°) @ 20°C	-21 - -12	-15
Refractive Index @ 20°C	1.503 - 1.509	1.505
Relative Density @ 20°C	0.968 - 0.983	0.975
Appearance	Clear, slightly viscous liquid	Clear, slightly viscous liquid
Colour	Almost colourless to golden yellow	Almost colourless to golden yellow
Odour	Characteristic, sweet, woody and persistent	Characteristic, sweet, woody and persistent
Miscibility in 70% ethanol (volumes)	< 5	3

TEST	SPECIFICATION	RESULTS
	Sandalwood Oil IndianISO	---
	Area%	Area%
(Z)- α -santalol	41 - 55	46.1

(Z)-b-santalol	16 - 24	18.4
(E,E)-farnesol	< 1	0.3



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CERTIFICATE OF ANALYSIS

TEST	SPECIFICATION	RESULTS
	Sandalwood Oil IndianISO	---
	Area%	Area%
(Z)-lanceol	< 5	2.0

Foot Note: ISO 3518:2025-Oil of sandalwood (Santalum album L.)

Analysis Notes:

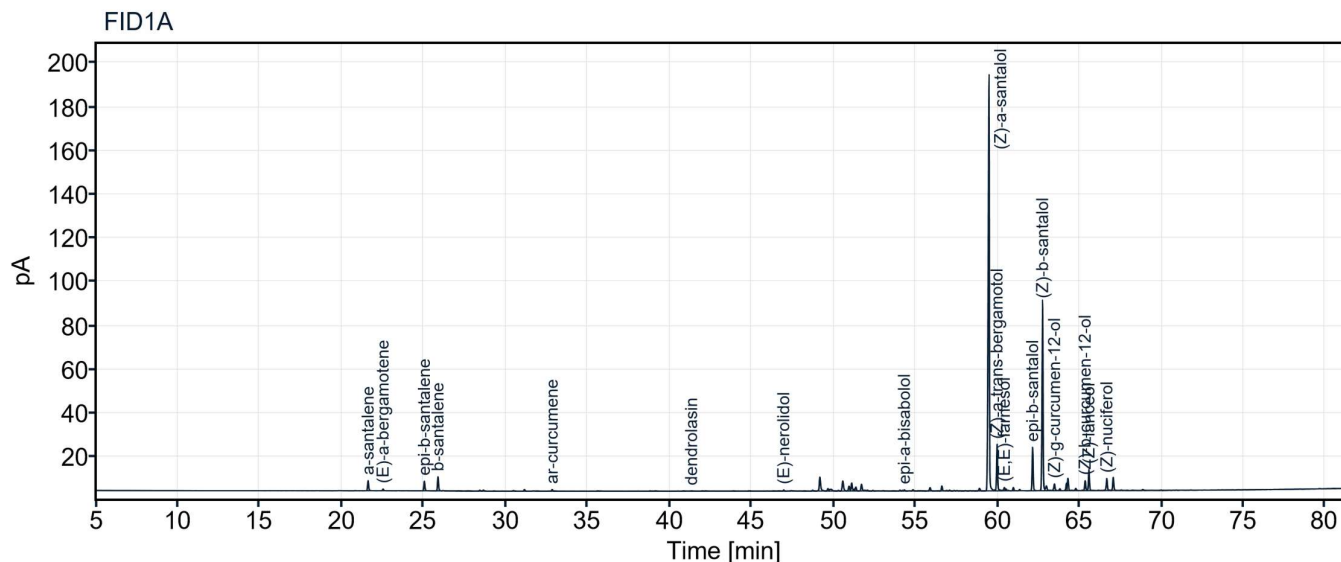
- *Assay by GC (FID detection)

Sample: Sandalwood Oil Indian

Sample ID: A26-00-1222-0001~GC_SANDALW666D5

Data file: /GC/BP20/Results/QCB2605-00096-20260504 121205.rslt\20260504 1212054_06.dx

Instrument:	GC-08	Sample amount:	1.000
Injection date:	2026-05-04 21:26:01+10:00	Location:	4
Acq. method:	Sandalwood ISO3518 FID_6850.amx	Injection:	1 of 1
Analysis method:	*GCFID_Santalum_ISO3518 LIMS.pmx	Injection volume:	1.000 µL
Analyst:	STAFF\rbarker	Multiplier:	1
Report Date:	2026-05-07 07:26:10+10:00	Dilution:	1



Name	RT [min]	Area	Peak Area Percent
a-santalene	21.590	21.1890	1.0266
(E)-a-bergamotene	22.501	3.7058	0.1795
epi-b-santalene	25.020	20.0558	0.9717
b-santalene	25.855	29.9095	1.4491
ar-curcumene	32.816	3.6285	0.1758
dendrolasin	41.320	0.4411	0.0214
(E)-nerolidol	46.943	2.1159	0.1025
epi-a-bisabolol	54.306	2.4851	0.1204
(Z)-a-santalol	59.465	951.3894	46.0945
(Z)-a-trans-bergamotol	59.960	95.1395	4.6095
(E,E)-farnesol	60.402	7.0720	0.3426
epi-b-santalol	62.126	88.2627	4.2763

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Name	RT [min]	Area	Peak Area Percent
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(Z)-b-santalol	62.737	379.7698	18.3997
(Z)-g-curcumen-12-ol	63.458	17.1685	0.8318
(Z)-b-curcumen-12-ol	65.333	21.2242	1.0283
(Z)-lanceol	65.563	42.0035	2.0351
(Z)-nuciferol	66.653	26.6734	1.2923
	Sum	1712.2338	82.96

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