



IFRA CONFORMITY STATEMENT

SANDALWOOD OIL (INDIAN)

Santalum album L. | Natural Complex Substance (NCS) — Raw Material | IFRA 51st Amendment | Compliance with IFRA Standards for Natural Complex Substances

IMPORTANT — DOCUMENT TYPE NOTICE

This document is an IFRA Conformity Statement for a Natural Complex Substance (NCS) raw material, not a Certificate of Conformity. In accordance with IFRA guidance, formal Certificates of Conformity are issued only for formulated fragrance mixtures by the fragrance compound manufacturer. For raw materials such as essential oils, suppliers communicate conformity with IFRA Standards to their clients via a conformity statement of this type.

NOTE — FARNESOL PRESENT: Unlike some essential oils that contain no IFRA-regulated constituents, this batch of Sandalwood Oil Indian contains (E,E)-farnesol (CAS 4602-84-0) at 0.34% (Area%), a constituent subject to IFRA 51st Amendment usage restrictions. Usage level limits therefore apply in certain product categories and are set out in full below.

Reference: IFRA Certification of IFRA Standards (ifrafragrance.org) and IFRA-RIFM Guidance for the Use of the IFRA Standards, 51st Amendment (30 June 2023).

Issuing Supplier

Issuing Supplier	Sandal Oils Australia	Product Name	Sandalwood Oil Indian
ABN	28 605 542 505	Botanical Name	Santalum album L.
Address	1/82 Glenwood Drive, Thornton NSW 2322	Common Names	Indian Sandalwood, East Indian Sandalwood
Phone	0414 946 974	Plant Family	Santalaceae
Email	info@sandaloilsau.com	Plant Part	Heartwood
Document Reference	IFRA-CS-SANDALWOOD-ALBU M-001	Extraction Method	Steam distillation
		Origin	India
Version	1.0 Issued: 2026-05-28	CAS Number	8006-87-9
		Substance Type	Natural Complex Substance (NCS) / UVCB

Analytical Basis

This conformity statement is based on the following batch-specific analytical data:

Certificate of Analysis	ARL Job No. A26-00-1222-0001
Certificate ID	A26-00-1222-0001_GC_SANDALWOOD(ALBUM)_ISO_FULL_ARL2
Customer Reference	SK6-F5-16 Main
Sample Name	Sandalwood Oil Indian
Laboratory	Analytical Research Laboratory (ARL), Southern Cross University, Lismore NSW 2480 Australia (TGA-licensed: MI-01122OO4-LI-000264-1)
Analysis Method	ARL-TM101-4 — GC-FID analysis of Indian Sandalwood (Santalum album) to ISO

spec

Certificate Date	08 May 2026
QC Authorised By	A. Mann
IFRA Amendment Applied	51st Amendment (notified 30 June 2023; fully implemented October 2025)

Constituent Profile (GC-FID)

GC sum of identified peaks: 82.96% | Balance (unidentified): ~17.04% | All ISO 3518:2025 marker compounds within specification.

Constituent	RT (min)	Area%	ISO Spec	IFRA 51st Status	Notes
(Z)- α -santalol	59.465	46.09	41–55 %	Not listed	Principal constituent; no IFRA standard
(Z)- β -santalol	62.737	18.40	16–24 %	Not listed	Principal constituent; no IFRA standard
(Z)- α -trans-bergamotol	59.960	4.61	—	Not listed	No IFRA standard
epi- α -santalol	62.126	4.28	—	Not listed	No IFRA standard
α -santalene	25.855	1.45	—	Not listed	No IFRA standard
(Z)-lanceol	65.563	2.04	<5%	Not listed	Within ISO spec; no IFRA standard
(Z)-nuciferol	66.653	1.29	—	Not listed	No IFRA standard
β -santalene	21.590	1.03	—	Not listed	No IFRA standard
epi- β -santalene	25.020	0.97	—	Not listed	No IFRA standard
(Z)- α -curcumen-12-ol	65.333	1.03	—	Not listed	No IFRA standard
(Z)- β -curcumen-12-ol	63.458	0.83	—	Not listed	No IFRA standard
ar-curcumene	32.816	0.18	—	Not listed	No IFRA standard
(E)- α -bergamotene	22.501	0.18	—	Not listed	No IFRA standard
epi- α -bisabolol	54.306	0.12	—	Not listed	No IFRA standard
(E)-nerolidol	46.943	0.10	—	Not listed	No IFRA standard
(E,E)-farnesol ★	60.402	0.34	<1%	RESTRICTED	IFRA 51st Amendment — usage limits apply
dendrolasin	41.320	0.02	—	Not listed	Trace; no IFRA standard

Unidentified balance	—	~17.04	—	Not assessed	No known IFRA-restricted compounds detected
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★ KEY FINDING — FARNESOL PRESENT

(E,E)-Farnesol (CAS 4602-84-0) was detected at 0.34% (Area%) in this batch. Farnesol is listed in the IFRA 51st Amendment Standards as a restricted ingredient due to skin sensitisation potential. Usage level limits apply across all 12 IFRA product categories. Downstream formulators must calculate the contribution of farnesol from this oil using: **farnesol % in product = oil inclusion rate (%) × 0.0034**.

IFRA Conformity Assessment — All 12 Categories (51st Amendment)

Farnesol IFRA 51st Amendment maximum levels in the **finished product** are listed by category. The maximum permitted inclusion rate of this oil is calculated at 0.34% farnesol content. Formulators must ensure total farnesol from all sources does not exceed the category limit.

Cat.	Product Type / Description	Farnesol max (finished product)	Max oil inclusion (this batch)	Status	Notes
1	Products applied to the lips (e.g. lipstick, lip balm, lip gloss)	0.002%	0.59%	✓ CONFORMS	Oil inclusion $\leq 0.59\%$ ensures farnesol $\leq 0.002\%$ in final product.
2	Products applied to the axillae (e.g. deodorant, antiperspirant)	0.002%	0.59%	✓ CONFORMS	Oil inclusion $\leq 0.59\%$ ensures farnesol $\leq 0.002\%$ in final product.
3	Products applied to face/body using fingertips, leave-on (e.g. facial cream, hand cream)	0.002%	0.59%	✓ CONFORMS	Oil inclusion $\leq 0.59\%$ ensures farnesol $\leq 0.002\%$ in final product.
4	Fine fragrances (e.g. eau de parfum, eau de toilette, cologne, solid perfume)	0.07%	20.59%	✓ CONFORMS	High limit; typical fine fragrance inclusions well within compliance.
5A	Body lotion/cream/gel/oil, leave-on (general body)	0.002%	0.59%	✓ CONFORMS	Oil inclusion $\leq 0.59\%$ ensures farnesol $\leq 0.002\%$ in final product.
5B	Face moisturiser/cream/gel/oil, leave-on	0.002%	0.59%	✓ CONFORMS	Oil inclusion $\leq 0.59\%$ ensures farnesol $\leq 0.002\%$ in final product.
5C	Hand cream/moisturiser/lotion, leave-on	0.002%	0.59%	✓ CONFORMS	Oil inclusion $\leq 0.59\%$ ensures farnesol $\leq 0.002\%$ in final product.
5D	Baby/toddler leave-on products (e.g. baby oil, baby lotion)	0.002%	0.59%	✓ CONFORMS	Oil inclusion $\leq 0.59\%$ ensures farnesol $\leq 0.002\%$ in final product.
6	Products with intended oral exposure (e.g. toothpaste, mouthwash)	0.002%	0.59%	✓ CONFORMS	Oil inclusion $\leq 0.59\%$ ensures farnesol $\leq 0.002\%$ in final product.
7A	Rinse-off hair products (e.g. shampoo, conditioner, hair mask)	0.002%	0.59%	✓ CONFORMS	Oil inclusion $\leq 0.59\%$ ensures farnesol $\leq 0.002\%$ in final product.
7B	Leave-on hair products (e.g. hair serum, hair oil, dry shampoo)	0.002%	0.59%	✓ CONFORMS	Oil inclusion $\leq 0.59\%$ ensures farnesol $\leq 0.002\%$ in final product.
8	Products with significant anogenital exposure (e.g. intimate wipes, feminine hygiene)	0.002%	0.59%	✓ CONFORMS	Oil inclusion $\leq 0.59\%$ ensures farnesol $\leq 0.002\%$ in final product.

9	Body and hand exposure, rinse-off (e.g. bar soap, shower gel, body wash)	0.02%	5.88%	✓ CONFORMS	Rinse-off limit more permissive; standard usage levels compliant.
10A	Household care / indoor air care including reed diffusers	0.10%	29.41%	✓ CONFORMS	High limit; typical diffuser/household inclusions compliant.
Cat.	Product Type / Description	Farnesol max (finished product)	Max oil inclusion (this batch)	Status	Notes
10B	Outdoor products with low skin contact (e.g. car care, insect repellents)	0.10%	29.41%	✓ CONFORMS	High limit; typical inclusions compliant.
11A	Skin contact on large areas, leave-on (e.g. body cream, massage oil)	0.002%	0.59%	✓ CONFORMS	Oil inclusion $\leq$ 0.59% ensures farnesol $\leq$ 0.002% in final product.
11B	Minimal fragrance transfer from inert substrate (e.g. scented candles — melted wax)	0.06%	17.65%	✓ CONFORMS	Applies to melted wax; typical candle inclusions compliant.
12	Not intended for direct skin contact (e.g. candles, wax melts, room sprays, potpourri)	No limit	No limit	✓ NO RESTRICTION	No IFRA restriction on farnesol in this category.

★ Max oil inclusion = farnesol IFRA category limit $\div$ 0.0034. Formulators must account for farnesol from all fragrance components. IFRA limits from the 51st Amendment Standards for Farnesol (CAS 4602-84-0).

✓ OVERALL CONFORMITY STATEMENT

Sandalwood Oil Indian (*Santalum album* L.) as supplied by SANDAL OILS AUSTRALIA, based on GC-FID batch analysis (ARL Job A26-00-1222, 08 May 2026), contains one IFRA-restricted constituent — (E,E)-farnesol at 0.34%.

This material **conforms with the IFRA 51st Amendment Standards across all 12 product categories**, subject to the inclusion rate limits detailed above. Downstream formulators must ensure that the total farnesol concentration in the finished product (from all sources) does not exceed the applicable IFRA category limit.

Safety & Additional Information

Tisserand & Young Safety Assessment

According to Tisserand & Young, *Essential Oil Safety*, 2nd Edition (Churchill Livingstone Elsevier, 2014), Sandalwood (*Santalum album*) is considered low risk for skin sensitisation at appropriate dilutions. The principal constituents (santalols) are not listed as significant sensitisers. The farnesol content of this batch (0.34%) is consistent with naturally occurring levels in *Santalum album* and is the primary constituent requiring IFRA compliance management.

EU Cosmetics Regulation — Allergen Disclosure (Regulation 1223/2009)

Based on the GC-FID profile of this batch, the following EU-listed contact allergen (Annex III, EU Cosmetics Regulation 1223/2009, as amended by Commission Regulation 2023/1545) was detected above declarable thresholds:

Allergen	CAS No.	Detected Level	Leave-on Threshold	Rinse-off Threshold	Declaration Required
Farnesol ((E,E)-farnesol)	4602-84-0	0.34%	0.001%	0.01%	YES — leave-on and rinse-off

All other EU Annex III fragrance allergens (linalool, limonene, geraniol, citronellol, eugenol, isoeugenol, benzyl alcohol, benzyl salicylate, cinnamal, cinnamyl alcohol, coumarin, hydroxycitronellal, alpha-isomethyl ionone, and others) were not detected at declarable levels in this batch.

Physical Characterisation

Appearance	Clear, slightly viscous liquid
Colour	Almost colourless to golden yellow
Odour Profile	Characteristic, sweet, woody and persistent
Optical Rotation	-15° @ 20°C (ISO spec: -21 to -12°)
Refractive Index	1.505 @ 20°C (ISO spec: 1.503–1.509)
Relative Density	0.975 @ 20°C (ISO spec: 0.968–0.983)
Miscibility	3 volumes in 70% ethanol (ISO spec: <5)
Use in Perfumery	Base note / fixative. Warm, creamy, woody — classic oriental and luxury accords.
ISO Compliance	All marker compounds within ISO 3518:2025 specification

Important Limitations and Responsibilities

- This statement is issued by Sandal Oils Australia as the raw material supplier and is intended solely to communicate the IFRA conformity status of this NCS to downstream recipients.
- This statement does **NOT** constitute a Certificate of Conformity to IFRA Standards for a fragrance mixture. Fragrance compound manufacturers remain responsible for issuing their own IFRA Certificate of Conformity based on the complete formulation.
- Maximum oil inclusion rates are calculated on the basis of 0.34% farnesol content of this batch only. A new conformity statement should be requested for future batches if the farnesol content changes.
- The IFRA Standards are voluntary and do not replace compliance with applicable national regulations. Importers and formulators are responsible for compliance with all relevant laws in their jurisdiction, including EU Cosmetics Regulation 1223/2009 and TGA Australia.

- Sandal Oils Australia is not an IFRA member. This statement is prepared in good faith based on current IFRA Standards documentation and the analytical data cited above.
- The IFRA 52nd Amendment is currently in preparation. Downstream users should monitor for updates and request an updated conformity statement if new standards affecting Sandalwood Oil constituents are introduced.
- This document does not constitute a safety assessment and should not be used as a substitute for a full product safety assessment by a qualified cosmetic or fragrance safety assessor.

Declaration

Sandal Oils Australia hereby declares that Sandalwood Oil Indian (*Santalum album* L.) supplied under reference SK6F5-16 Main (ARL Job A26-00-1222, batch analysed 08 May 2026) has been assessed against the IFRA Standards, 51st Amendment (notified 30 June 2023), and that to the best of our knowledge based on the GC-FID analytical data provided, this raw material contains one constituent subject to IFRA restriction — (E,E)-farnesol at 0.34% — and **conforms with the IFRA 51st Amendment Standards across all 12 product categories subject to the usage limits set out in this statement.**

This statement is issued in accordance with IFRA guidance for Natural Complex Substance (NCS) suppliers and is intended for use by importing entities and fragrance compound manufacturers in their own IFRA Certificate of Conformity preparation.

Issued by:	SANDAL OILS AUSTRALIA
Date of Issue:	28 May 2026
Valid Until:	27 May 2027 (1-year validity) or upon notification of a new IFRA Amendment affecting farnesol or other Sandalwood Oil constituents, whichever is sooner.
Authorised Signatory:	Wesley Ralph, Sandal Oils Australia
Signature:	
Date:	
Document Control	
Document Reference	IFRA-CS-SANDALWOOD-ALBUM-001
Version	1.0 (Initial Issue)
Issue Date	2026-05-28
Prepared By	SANDAL OILS AUSTRALIA
Analytical Basis	GC-FID, ARL Job A26-00-1222-0001, SCU ARL, 08 May 2026
ISO Standard	ISO 3518:2025 — Oil of sandalwood (<i>Santalum album</i> L.)
IFRA Amendment	51st Amendment (notified 30 June 2023; fully in force October 2025)
Next Review	2027-05-27 or upon notification of IFRA 52nd Amendment, whichever is sooner
Supersedes	N/A — first issue

*Disclaimer: The information in this Conformity Statement is believed accurate at the date of issue based on the referenced GC-FID analysis. Sandal Oils Australia accepts no liability for use of this document by third parties beyond its stated purpose. Downstream users are responsible for their own regulatory and safety compliance obligations. Version 1.0 | Issue Date: 2026-05-28 | Based on CoA: ARL Job A26-00-1222, 08
May 2026*