AROMATICS DATA

GC-MS BATCH SUMMARY

Batch SAN-112

November 6, 2026

Sandalwood Essential Oil

Santalum album

Essential Oil

DISTILLATION DATE	EXTRACTION	CULTIVATION	COUNTRY OF ORIGIN
June 2, 2026	Steam Distilled	Organically Grown	Australia

TOP 5 COMPONENTS

of 50 measured

(E)-α-santalol	Sesquiterpenol	41.61%
epi-β-santalol	Sesquiterpenol	18.63%
(Z,E)-α-bergamotol	Sesquiterpenol	6.23%
(E)-α-santalol · trans-α-santalol	Sesquiterpenol	4.24%
38.44 Elemodiol<8-α-11->	Other	3.46%

Batch SAN-112 comes from organically grown *Santalum album* in Australia, steam distilled from the heartwood in June 2026. The aroma is exactly what you hope for in a true album sandalwood: soft, creamy, and quietly woody, with a sweet warmth that lingers on the skin for hours.

This specific lot was independently GC-MS tested, and the full chromatogram and certificate of analysis are available to download here. Sandalwood is one of the most frequently imitated oils in the world, so we publish the numbers and let the chemistry speak for itself.

CHEMISTRY HIGHLIGHTS

GC-MS analysis of this batch identified 50 components, led by (E)-alpha-santalol at 41.61%, epi-beta-santalol at 18.63%, and (Z,E)-alpha-bergamotol at 6.23%. Sesquiterpenols account for 77.43% of the profile overall, the family associated with grounding, meditative qualities and gentle, skin-friendly blending, with a small sesquiterpene fraction at 6.12% rounding out the base notes.

The hydrocarbon precursors are all accounted for underneath: α-santalene (1.38%), β-santalene (2.05%) and

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epi-β-santalene (1.35%), plus a 0.04% trace of (Z)-α-santalyl acetate, the acetate of the dominant alcohol. Fifty components in total, with a long tail of more than twenty rows below 0.1%.

Full composition · 50 components across 6 families

Sesquiterpenol	**77.43%**
(E)-α-santalol	41.61%
epi-β-santalol	18.63%
(Z,E)-α-bergamotol	6.23%
(E)-α-santalol · trans-α-santalol	4.24%
epi-β-bisabolol	3.07%
(Z)-β-santalol	1.54%
β-bisabolol	1.14%
(E)-β-santalol	0.67%
(Z)-nerolidol	0.10%
α-acorenol	0.08%
cubenol	0.07%
nuciferol	0.03%
hinesol	0.02%
Other	**6.95%**
38.44 Elemodiol<8-α-11->	3.46%
(Z)-γ-curcumen-12-ol	1.13%
35.74 Santalol<(Z)-α->	0.56%
cis-β-Santalol Isomer 2	0.55%
36.31 Farnesol<2,3-dihydro->	0.43%
cis-lanceol	0.32%
cis-β-Santalol Isomer 1	0.28%
(Z)-β-curcumen-12-ol	0.09%
7-epi-sesquithujene	0.04%
(Z)-α-santalyl acetate	0.04%
3.03 butanediol<2,3->	0.02%

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octane	0.01%
4.84 Heptanol<2->	0.01%
teresantalol	0.01%
Sesquiterpene	**6.12%**
β-santalene	2.05%
α-santalene	1.38%
epi-β-santalene	1.35%
ar-curcumene	0.30%
(Z)-α-bergamotene	0.29%
11-α-h-himachala-1,4-diene	0.27%
β-bisabolene	0.17%
γ-curcumene	0.11%
β-acoradiene	0.08%
β-sesquiphellandrene	0.03%
sesquisabinene	0.02%
α-acoradiene	0.02%
(E)-γ-bisabolene	0.02%
(E)-α-bisabolene	0.02%
α-cedrene	0.01%
Aldehyde	**0.28%**
β-sinensal	0.20%
(Z)-nuciferol	0.08%
Oxide	**0.05%**
humulene epoxide 2	0.05%
Monoterpene	**0.02%**
santene	0.01%
limonene (d)	0.01%

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Unidentified peaks	4.75%
3 peaks the lab could not identify	4.75%

UK BP: 119 2.99% · UK BP: 91 1.18% · UK BP: 95 0.58%

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