



# Essential Oil University

## GC/MS Report

Item	Lot
Sandalwood (album) EO <i>Santalum album</i>	6K
Date	Analyst
2/16/2026	Dr. Robert S. Pappas

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**The analysis of this batch sample, Sandalwood (album) EO, meets the expected chemical profile for authentic essential oil of *Santalum album*. No contamination or adulteration was detected. The results provided in this GCMS quality analysis reflect the chemical composition of the oil and lot referenced above on the date of analysis.**



## Sample Information

**Company:** Revive  
**Sample Name:** Sandalwood (album) EO  
**Botanical Name:** Santalum album  
**Lot Number:** 6K  
**Production Method:** Steam distilled

**Sample Type:** EO - Single  
**Country of Origin:** India  
**Analysis Date:** 2/16/2026  
**Manufacture Date:** December 2025

## GC/MS

**Inst. ID:** Shimadzu GCMS-QP2010Ultra  
**Injection Type:** Split  
**Split Ratio:** 24.4

**Column Type:** ZB-5  
**Injection Volume:** 0.1 µL  
**Temperature Program:** 2C/min

## Physical Data

ANALYSIS	METHOD	RESULTS
Optical Rotation @20°C	USP[781]	-18.28
Refractive Index @20°C	USP[831]	1.50507
Specific Gravity @20°C	USP[841]	0.97176



Ret. Time	Component	Ret. Idx.	Conc. %	
28.287	N-Furfuryl pyrrole	1167	0.02%	
31.628	Unidentified	1215	0.02%	
38.820	Unidentified	1321	0.01%	
39.159	Unidentified	1326	0.07%	
39.970	Unidentified	1338	0.01%	
40.096	Santalal analogue	1340	0.01%	
41.855	Unidentified	1367	0.03%	
42.474	Unidentified	1376	0.02%	
43.269	Nortricyclo-eka-santallic acid	1388	0.07%	
43.445	7-epi-Sesquithujene	1391	0.01%	
43.649	alpha-Funebrene	1394	0.01%	
44.106	cis-alpha-Bergamotene	1401	0.01%	
44.304	alpha-Cedrene	1404	0.02%	IFRA
44.474	alpha-Santalene	1407	1.16%	
45.365	trans-alpha-Bergamotene	1421	0.24%	
45.953	Unidentified	1430	0.04%	
46.243	epi-beta-Santalene	1435	1.18%	
46.643	Unidentified	1441	0.01%	
46.810	Ekasantalic acid isomer	1444	0.01%	
47.006	beta-Santalene	1447	1.93%	
47.290	alpha-Acoradiene	1451	0.01%	
47.438	beta-Acoradiene	1454	0.01%	
47.528	Unidentified	1455	0.02%	
48.152	gamma-Curcumene	1465	0.1%	
48.347	Ar-Curcumene	1468	0.25%	
48.539	trans-beta-Bergamotene	1471	0.04%	
49.044	Unidentified	1479	0.02%	
49.193	Unidentified	1482	0.04%	
49.563	alpha-Bisabolene	1488	0.01%	
50.011	beta-Bisabolene	1495	0.22%	
50.110	beta-Curcumene	1496	0.29%	
50.338	Unidentified	1500	0.02%	
50.604	alpha-Teresantallic acid	1504	0.07%	
50.964	Unidentified	1510	0.03%	
51.950	trans-alpha-Bisabolene	1527	0.01%	
52.049	Ionone isomer	1529	0.08%	
52.724	Ionone isomer	1540	0.04%	
53.147	Unidentified	1547	0.07%	
53.638	Dendrolasin	1555	0.04%	
54.401	Unidentified	1568	0.01%	

Ret. Time	Component	Ret. Idx.	Conc. %	
54.590	Unidentified	1571	0.02%	
54.965	Ionone isomer	1578	0.01%	
55.294	Unidentified	1583	0.01%	
55.521	Unidentified	1587	0.01%	
55.689	Unidentified	1590	0.01%	
56.299	Unidentified	1600	0.06%	
56.566	Unidentified	1605	0.03%	
56.948	Unidentified	1611	0.03%	
57.230	Unidentified	1616	0.01%	
57.328	alpha-Acorenol	1618	0.05%	
57.576	Unidentified	1623	0.13%	
58.106	Eremoligenol isomer	1632	0.01%	
58.348	Unidentified	1636	0.03%	
58.561	Khusilal	1640	0.78%	
58.874	trans-alpha-Santalal	1645	0.47%	
59.050	Unidentified	1649	0.02%	
59.161	cis-alpha-Santalal	1650	0.12%	
59.352	Unidentified	1654	0.24%	
59.855	cis-alpha-Santalol	1663	45.24%	ALLERGEN
60.188	Unidentified	1669	0.31%	
60.320	Unidentified	1671	0.16%	
60.527	cis-alpha-trans-Bergamotol	1675	8.05%	
60.741	Unidentified	1678	0.24%	
60.893	trans-alpha-Santalol	1681	0.43%	ALLERGEN
61.024	Unidentified	1683	0.08%	
61.277	cis-epi-beta-Santalol	1688	3.53%	ALLERGEN
61.360	Unidentified	1689	0.2%	
61.577	trans-alpha-trans-Bergamotol	1693	0.54%	
62.070	cis-beta-Santalol	1702	19.44%	ALLERGEN
62.167	trans-epi-beta-Santalol	1704	0.47%	ALLERGEN
62.379	cis-Nuciferol	1708	2.47%	
62.553	Santalol isomer	1711	0.24%	ALLERGEN
62.817	Unidentified	1716	0.72%	
63.188	trans-beta-Santalol	1723	1.36%	ALLERGEN
63.424	Unidentified	1727	1.02%	
63.480	Unidentified	1728	0.27%	
63.689	Unidentified	1732	0.35%	
63.802	Bergamotol analogue	1734	0.28%	
64.017	trans-Nuciferol	1738	0.94%	
64.140	Unidentified	1740	0.12%	

Ret. Time	Component	Ret. Idx.	Conc. %
64.394	cis-Lanceol	1745	4.07%
64.662	Bergamotol analogue	1750	0.17%
64.780	Unidentified	1752	0.07%
64.882	Unidentified	1754	0.06%
65.127	Bergamotol analogue	1759	0.09%
65.419	Unidentified	1764	0.11%
65.517	Bergamotol analogue	1766	0.13%
65.725	Ionone isomer	1770	0.02%
65.855	Unidentified	1772	0.02%
65.992	Lanceol isomer	1775	0.16%
66.369	Unidentified	1782	0.05%
66.813	Unidentified	1790	0.06%
67.201	Unidentified	1797	0.02%
67.620	Unidentified	1805	0.06%
67.755	Unidentified	1808	0.01%
67.862	Unidentified	1810	0.02%
68.239	Unidentified	1817	0.02%
68.666	Unidentified	1826	0.02%
69.367	Unidentified	1839	0.01%
69.647	Unidentified	1845	0.01%
70.124	Unidentified	1854	0.02%
72.831	Unidentified	1907	0.03%
72.945	Unidentified	1909	0.01%

Total Identified Compounds **94.91 %**



TIC  
49,523,984

