

Client



Source



Sandalwood (Santalum Album)
SWOCO2123022019-20

Sample

Sandalwood (Santalum Album)

Batch #:..... SWOCO2123022019-20

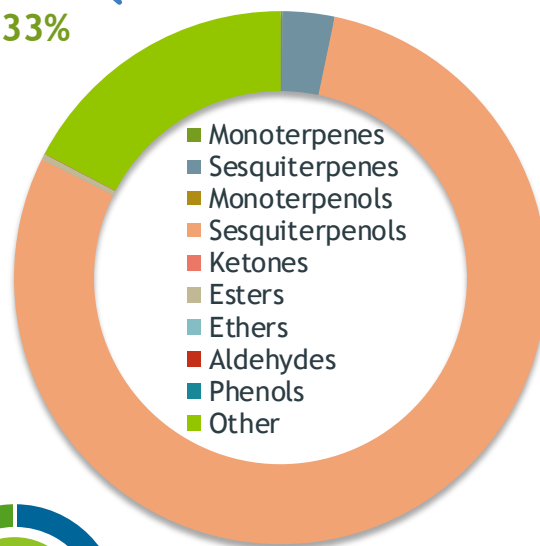
Type:..... CO2

CAS Number:... 8006-87-9

Natural Sourcing LLC

Sesquiterpenols

78.33%



Client



Website



Primary

40.55%

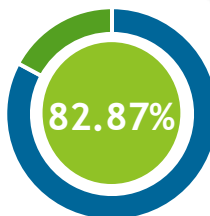
cis-alpha-Santalol

19.69%

cis-beta-Santalol

7.02%

(Z)-trans-alpha-Bergamotol



Percentage Identified

Result



Conclusion

No adulterants, diluents, or contaminants were detected via this method. This oil meets the expected profile for genuine CO2 of Sandalwood (Santalum Album)

Internal Number: | EVS-3837



Essential Validation Services

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Monoterpenes	0.12%
Sesquiterpenes	3.12%
Monoterpenols	0.00%
Sesquiterpenols	78.33%
Ketones	0.00%
Esters	0.37%
Ethers	0.00%
Aldehydes	0.02%
Phenols	0.00%
Other	17.14%

- Essential Oil testing is performed by using qualitative GC-MS. Method: SOP.T.01 Client Method
 - This report may not be published without the consent of Essential Validation Services.
 - Chromatograph image may be requested
 - This report is valid for 1 year from the analyzed date

Client



Source

Sandalwood (*Santalum Album*)

SWOCO2123022019-20

Total Percentage		82.87%		
Number	RT	Area %	Compound Name	Chemical Family
1	6.74	0.01%	Santene	Normonoterpene
2	21.52	0.02%	alpha-Santalal	Sesquiterpene Aldehyde
3	30.07	0.72%	alpha-Santalene	Sesquiterpene
4	30.68	0.12%	trans-alpha-Bergamotene	Sesquiterpene
5	31.22	0.78%	epi-beta-Santalene	Sesquiterpene
6	31.73	1.25%	beta-Santalene	Sesquiterpene
7	32.51	0.04%	gamma-Curcumene	Sesquiterpene
8	32.63	0.13%	ar-Curcumene	Sesquiterpene
9	33.34	0.04%	beta-Selinene	Sesquiterpene
10	33.73	0.04%	beta-Bisabolene	Sesquiterpene
11	33.80	0.12%	beta-Curcumene	Monoterpene
12	35.11	0.18%	cis-Sesquisabinene hydrate	Monoterpene Ester
13	35.82	0.05%	(E)-Nerolidol	Sesquiterpenol
14	36.50	0.19%	trans-Sesquisabinene hydrate	Monoterpene Ester
15	36.90	0.03%	Teresantalol	Sesquiterpenol
16	37.81	0.06%	33.16 Sesquilavandulol<Z->	0.00
17	38.56	0.12%	alpha-Acorenol	Sesquiterpenol
18	39.52	0.42%	beta-Bisabolol	Sesquiterpenol
19	40.19	40.55%	cis-alpha-Santalol	Sesquiterpenol
20	40.62	7.02%	(Z)-trans-alpha-Bergamotol	Sesquiterpenol
21	40.84	0.49%	trans-alpha-Santalol	Sesquiterpenol
22	41.09	3.53%	(Z)-epi-beta-Santalol	Sesquiterpenol
23	41.63	19.69%	cis-beta-Santalol	Sesquiterpenol
24	42.05	0.33%	Vetiselinenol	Sesquiterpenol
25	42.34	1.60%	trans-beta-Santalol	Sesquiterpenol
26	42.56	0.45%	(E,E)-Farnesol	Sesquiterpenol
27	42.97	2.29%	(Z)-Nuciferol	Sesquiterpenol
28	43.15	1.40%	cis-Lanceol	Sesquiterpenol
29	43.63	0.04%	(Z)-gamma-Curcumen-12-ol	Sesquiterpenol
30	43.89	0.32%	(E)-Nuciferol	Sesquiterpenol
31	44.23	0.44%	trans-Lanceol	
32	44.80	0.03%	40.20 Bergamotol acetate<(Z)-alpha-trans->	0.00
33	46.83	0.71%	42.79 Santalol acetate<(E)-beta->	0.00
34	47.29	0.10%	42.32 Lanceol acetate<Z->	0.00

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