

Client



Source



Tea Tree (*Melaleuca alternifolia*)
MA1805

Sample

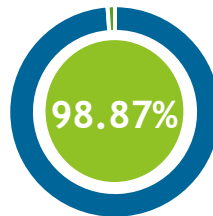
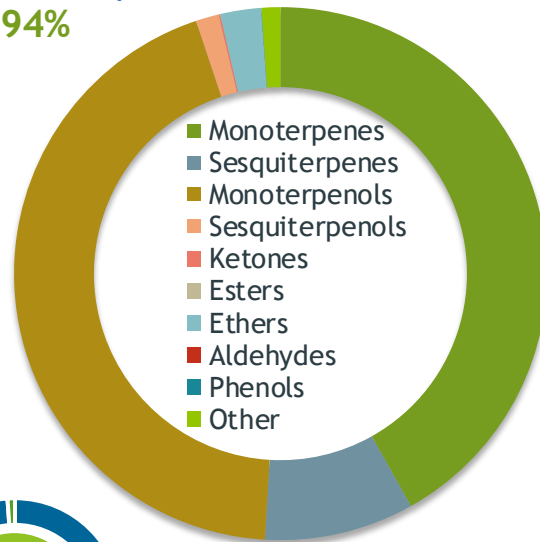
Tea Tree (*Melaleuca alternifolia*)

Batch #:..... MA1805
Type:..... Essential Oil
CAS Number:... 68647-73-4

Be Kind Botanicals

Monoterpenols

43.94%



Percentage Identified

Client



Website



Primary

39.99% | Terpinen-4-ol
19.09% | gamma-Terpinene
9.55% | alpha-Terpinene

Result



Conclusion

No adulterants, Diluents, or contaminants were detected via this method. This oil meets the expected profile for genuine Essential Oil of Tea Tree (*Melaleuca alternifolia*)

Internal Number: | EVS-3504



Essential Validation Services

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<https://essentialvalidationservices.com/>
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Monoterpenes	41.86%	41.86%
Sesquiterpenes	9.07%	9.07%
Monoterpenols	43.94%	43.94%
Sesquiterpenols		1.39%
Ketones		0.10%
Esters		0.00%
Ethers		2.48%
Aldehydes		0.00%
Phenols		0.02%
Other		1.14%

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Total Percentage		98.87%		
Number	RT	Area %	Compound Name	Chemical Family
1	6.08	0.01%	cis-Hex-3-en-1-ol	Aliphatic Alcohol
2	8.50	0.89%	alpha-Thujene	Monoterpene
3	8.77	2.38%	alpha-Pinene	Monoterpene
4	9.40	0.01%	Camphene	Monoterpene
5	10.37	0.37%	Sabinene	Monoterpene
6	10.54	0.68%	beta-Pinene	Monoterpene
7	11.13	0.74%	Myrcene	Monoterpene
8	11.68	0.01%	Pseudolimonene	Monoterpene
9	11.80	0.54%	alpha-Phellandrene	Monoterpene
10	12.30	9.55%	alpha-Terpinene	Monoterpene
11	12.62	2.55%	para-Cymene	Monoterpene
12	12.87	1.66%	beta-Phellandrene	Monoterpene
13	12.88	Co-Eluting	Limonene	Monoterpene
14	12.93	2.48%	1,8-Cineole	Monoterpene Ether
15	13.67	0.01%	(E)-beta-Ocimene	Monoterpene
16	14.21	19.09%	gamma-Terpinene	Monoterpene
17	14.69	0.08%	trans-Sabinene hydrate	Monoterpenol
18	15.42	3.31%	Terpinolene	Monoterpene
19	15.61	0.06%	para-Cymenene	Monoterpene
20	16.11	0.16%	Linalool	Monoterpenol
21	17.19	0.17%	cis-para-Menth-2-en-1-ol	Monoterpenol
22	17.65	0.01%	para-Menthatriene	Monoterpene
23	17.74	0.02%	Terpinen-1-ol	Monoterpenol
24	18.03	0.12%	trans-para-Menth-2-en-1-ol	Monoterpenol
25	18.16	0.07%	Camphor	Monoterpene Ketone
26	19.92	39.99%	Terpinen-4-ol	Monoterpenol
27	20.11	0.07%	para-Cymen-8-ol	Monoterpenol
28	20.50	3.16%	alpha-Terpineol	Monoterpenol
29	21.14	0.10%	trans-Piperitol	Monoterpenol
30	21.88	0.03%	Nerol	Monoterpenol
31	23.11	0.03%	Piperitone	Monoterpene Ketone
32	24.89	0.04%	Thymol	Monoterpenol
33	26.66	0.18%	delta-Elemene	Sesquiterpene
34	27.32	0.06%	alpha-Cubebene	Sesquiterpene
35	28.32	0.08%	Isoledene	Sesquiterpene

ESSENTIAL VALIDATION SERVICES | 747 SW 2ND AVE GAINESVILLE, FLORIDA 32601 | 317-361-5044

- Essential Oil testing is performed by using qualitative GC-MS. Method: SOP.T.01 Client Method
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 - Chromatograph image may be requested
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Number	RT	Area %	Compound Name	Chemical Family
36	28.53	0.21%	alpha-Copaene	Sesquiterpene
37	29.14	0.03%	beta-Elemene	Sesquiterpene
38	29.27	0.04%	Longifolene	Sesquiterpene
39	29.60	0.02%	Methyl eugenol	Phenylpropanoid
40	29.85	0.40%	alpha-Gurjunene	Sesquiterpene
41	30.33	0.47%	beta-Caryophyllene	Sesquiterpene
42	30.93	0.09%	beta-Gurjunene	Sesquiterpene
43	31.12	1.56%	Aromadendrene	Sesquiterpene
44	31.42	0.18%	alpha-Guaiene	Sesquiterpene
45	31.56	0.19%	trans-Muurolo-3,5-diene	Sesquiterpene
46	31.80	0.15%	alpha-Humulene	Sesquiterpene
47	32.00	0.66%	allo-Aromadendrene	Sesquiterpene
48	32.53	0.49%	trans-Cadina-1(6),4-diene	Sesquiterpene
49	32.66	0.04%	gamma-Muuroloene	Sesquiterpene
50	33.17	0.39%	gamma-Gurjunene	Sesquiterpene
51	33.31	1.27%	Viridiflorene	Sesquiterpene
52	33.47	0.49%	Bicyclogermacrene	Sesquiterpene
53	33.63	0.17%	alpha-Muuroloene	Sesquiterpene
54	34.18	0.03%	gamma-Cadinene	Sesquiterpene
55	34.43	1.51%	delta-Cadinene	Sesquiterpene
56	34.51	0.09%	trans-Calamenene	Sesquiterpene
57	34.78	0.01%	delta-Guaiene	Sesquiterpene
58	34.95	0.27%	trans-Cadina-1,4-diene	Sesquiterpene
59	35.26	0.01%	alpha-Calacorene	Sesquiterpene
60	36.07	0.11%	Maaliol	Sesquiterpenol
61	36.35	0.08%	Palustrol	Sesquiterpenol
62	36.62	0.07%	Spathulenol	Sesquiterpenol
63	36.97	0.36%	Globulol	Sesquiterpenol
64	37.07	0.03%	Gleenol	Sesquiterpenol
65	37.29	0.19%	Viridiflorol	Sesquiterpenol
66	37.68	0.05%	Ledol	Sesquiterpenol
67	38.44	0.15%	Rosifoliol	Sesquiterpenol
68	38.59	0.25%	1-epi-Cubenol	Sesquiterpenol
69	38.77	0.06%	Isospathulenol	Sesquiterpenol
70	39.30	0.04%	alpha-Muurolol	Sesquiterpenol

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