



Tea Tree

Melaleuca alternifolia

Australia

Batch No. AU-59255

Monoterpenes	39.65%	Esters	0.04%	Sesquiterpenes	11.14%
γ terpinene	15.05	dihydrocarvyl acetate	0.04	β cadinene	2.15
α terpinene	8.05			γ gurjunene	1.46
para cymene	3.71			α guaiene	1.45
limonene + β phellandrene	3.32			bicylogermacrene	1.06
terpinolene	3.23			allo-aromadendrene	0.76
α pinene	2.20	Ethers	4.09%	dauca-5,8-diene	0.63
sabinene	1.00	1,8 cineole	4.09	β caryophyllene	0.62
α thujene	0.90			γ cadinene	0.49
myrcene	0.78			β maaliene	0.48
β pinene	0.71			α muurolene	0.37
α phellandrene	0.61			β gurjunene	0.35
para cymenene	0.05	Phenols	0.03%	α amorphene	0.28
(Z) β ocimene	0.02	methyl eugenol	0.03	α cubebene	0.25
pseudolimonene	0.01			α humulene	0.20
para-menthatriene	0.01			germacrene D	0.11
				β elemene	0.10
				longifolene	0.08
				cis-cadina-1(6),4-diene	0.06
Monoterpenols	39.23%	Other	0.07%	α gurjunene	0.04
terpinen-4-ol	34.59	(E) hex-3-en-1-ol	0.05	sibirene	0.03
α terpineol	3.28	1-hexanol	0.01	isolekene	0.03
(Z) sabinene hydrate	0.38	1-hexadecene	0.01	longicyclene	0.03
(Z) para-menth-2-en-1-ol	0.31			aromadendrene	0.03
(E) para-menth-2-en-1-ol	0.23			β cubebene	0.02
(E) sabinene hydrate	0.14			germacrene D	0.02
trans-piperitol	0.13			δ selinene	0.02
para-cymen-8-ol	0.09			(E) β guaiene	0.02
citronellol	0.04				
nerol	0.02			Sesquiterpenols	1.55%
fenchol	0.01			isopathulenol	0.45
camphene hydrate	0.01			maaliol	0.32
				1,10-di-epi-cubenol	0.25
				1-epi-cubenol	0.17
				rosifoliol	0.11
				τ cadinol	0.07
				spathulenol	0.06
				viridiflorol	0.05
				gleenol	0.04
				epi-cubebol	0.03

Client



Source



Tea Tree (*Melaleuca alternifolia*)
AU-59255

Sample

Tea Tree (*Melaleuca alternifolia*)
Batch #:..... AU-59255
Type:..... Essential Oil
CAS Number:... 68647-73-4
Nature's Gift

Client



Website

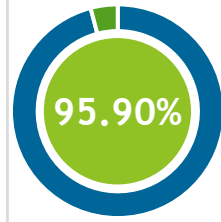
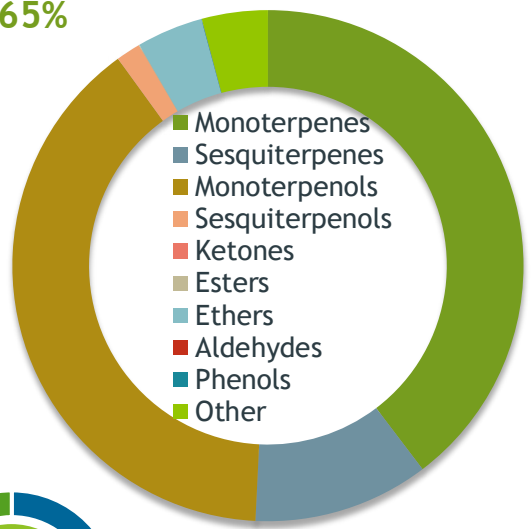


Primary

34.59% | Terpinen-4-ol
15.05% | gamma-Terpinene
8.05% | alpha-Terpinene

Monoterpenes

39.65%



Percentage Identified

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-5008



Essential Validation Services

747 SW 2nd Ave IMB 12 Suite 306
Gainesville, FL 32601

317.361.5044 | <https://essentialvalidationservices.com/>

Alan Christen

Monoterpenes	39.65%	39.65%
Sesquiterpenes	11.12%	11.12%
Monoterpenols	39.23%	39.23%
Sesquiterpenols		1.55%
Ketones		0.00%
Esters		0.04%
Ethers	4	4.19%
Aldehydes		0.00%
Phenols		0.03%
Other	4	4.17%

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
- 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

Tea Tree (*Melaleuca alternifolia*)

AU-59255

Total Percentage		95.90%		
Number	RT	Area %	Compound Name	Chemical Family
1	5.50	0.05%	(E)-Hex-3-en-1-ol	Aliphatic Alcohol
2	5.92	0.01%	1-Hexanol	Aliphatic Alcohol
3	7.75	0.90%	alpha-Thujene	Monoterpene
4	8.00	2.20%	alpha-Pinene	Monoterpene
5	9.54	1.00%	Sabinene	Monoterpene
6	9.69	0.71%	beta-Pinene	Monoterpene
7	10.28	0.78%	Myrcene	Monoterpene
8	10.82	0.01%	Pseudolimonene	Monoterpene
9	10.92	0.61%	alpha-Phellandrene	Monoterpene
10	11.42	8.05%	alpha-Terpinene	Monoterpene
11	11.73	3.71%	para-Cymene	Monoterpene
12	11.95	3.32%	Limonene	Monoterpene
13	11.97	Co-Eluting	beta-Phellandrene	Monoterpene
14	12.04	4.19%	1,8-Cineole	Monoterpene Ether
15	12.77	0.02%	(Z)-beta-Ocimene	Monoterpene
16	13.30	15.05%	gamma-Terpinene	Monoterpene
17	13.75	0.14%	trans-Sabinene hydrate	Monoterpenol
18	14.46	3.23%	Terpinolene	Monoterpene
19	14.65	0.05%	para-Cymenene	Monoterpene
20	15.14	0.38%	cis-Sabinene hydrate	Monoterpenol
21	15.96	0.01%	Fenchol	Monoterpenol
22	16.21	0.31%	cis-para-Menth-2-en-1-ol	Monoterpenol
23	16.95	0.01%	para-Menthatriene	Monoterpene
24	17.06	0.23%	trans-para-Menth-2-en-1-ol	Monoterpenol
25	17.55	0.01%	Camphene hydrate	Monoterpenol
26	18.98	34.59%	Terpinen-4-ol	Monoterpenol
27	19.13	0.09%	para-Cymen-8-ol	Monoterpenol
28	19.52	3.28%	alpha-Terpineol	Monoterpenol
29	20.12	0.13%	trans-Piperitol	Monoterpenol
30	20.87	0.02%	Nerol	Monoterpenol
31	22.07	0.04%	Citronellol	Monoterpenol
32	26.51	0.04%	Dihydrocarvyl acetate	Monoterpene Ester
33	27.40	0.25%	alpha-Cubebene	Sesquiterpene
34	27.57	0.03%	Isolatedene	Sesquiterpene
35	27.94	0.02%	beta-Cubebene	Sesquiterpene

Client



Source



Tea Tree (*Melaleuca alternifolia*)
AU-59255

Number	RT	Area %	Compound Name	Chemical Family
36	28.023	0.10%	beta-Elemene	Sesquiterpene
37	28.14	0.03%	Longicyclene	Sesquiterpene
38	28.56	0.03%	Methyl eugenol	Phenylpropanoid
39	28.72	0.48%	beta-Maaliene	Sesquiterpene
40	28.84	0.04%	alpha-Gurjunene	Sesquiterpene
41	29.19	0.62%	beta-Caryophyllene	Sesquiterpene
42	29.52	0.08%	Longifolene	Sesquiterpene
43	29.64	0.03%	Sibirene	Sesquiterpene
44	29.98	1.45%	alpha-Guaiene	Sesquiterpene
45	30.13	0.03%	Aromadendrene	Sesquiterpene
46	30.43	0.35%	beta-Gurjunene	Sesquiterpene
47	30.67	0.20%	alpha-Humulene	Sesquiterpene
48	30.85	0.76%	allo-Aromadendrene	Sesquiterpene
49	31.40	0.63%	Dauca-5,8-diene	Sesquiterpene
50	31.53	0.06%	cis-Cadina-1(6),4-diene	Sesquiterpene
51	31.72	0.02%	Germacrene D	Sesquiterpene
52	32.17	1.46%	gamma-Gurjunene	Sesquiterpene
53	32.33	1.06%	Bicyclogermacrene	Sesquiterpene
54	32.51	0.28%	alpha-Amorphene	Sesquiterpene
55	32.71	0.02%	delta-Selinene	Sesquiterpene
56	33.13	0.03%	epi-Cubebol	Sesquiterpenol
57	33.31	2.15%	beta-Cadinene	Sesquiterpene
58	33.45	0.49%	gamma-Cadinene	Sesquiterpene
59	33.62	0.02%	28.92 Guaiene<trans-beta->	0.00
60	33.81	0.37%	alpha-Muurolene	Sesquiterpene
61	34.92	0.11%	Germacrene B	Sesquiterpene
62	35.81	0.32%	Maaliol	Sesquiterpenol
63	35.94	0.04%	Gleenol	Sesquiterpenol
64	36.38	0.01%	1-Hexadecene	Alkene
65	36.52	0.05%	Viridiflorol	Sesquiterpenol
66	36.69	0.06%	Spathulenol	Sesquiterpenol
67	37.28	0.11%	Rosifoliol	Sesquiterpenol
68	37.44	0.25%	1,10-di-epi-Cubebol	Sesquiterpenol
69	37.63	0.45%	Isospathulenol	Sesquiterpenol
70	38.00	0.17%	1-epi-Cubebol	Sesquiterpenol
71	38.15	0.07%	T-Cadinol	Sesquiterpenol

ESSENTIAL VALIDATION SERVICES | 741 SW 2ND AVE GAINESVILLE, FLORIDA 32601 | 351-301-3044