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Balancing Body, Mind and Spirit with Pure Essential Oils

Since 1995

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**Tea Tree**  
*Melaleuca alternifolia*  
 Australia  
 Batch No. AU-58991

**Esters 0.03%**

cis-verbenyl acetate 0.03

**Ethers 3.92%**

1,8 cineole 3.92

**Phenols 0.03%**

methyl eugenol 0.03

**Other 0.03%**

cis-hex-3-en-1-ol 0.03

**Monoterpenes 40.42%**

γ terpinene 16.42

α terpinene 9.57

terpinolene 3.39

para cymene 2.49

α pinene 2.05

limonene 1.79

sabinene 1.71

α thujene 0.82

α phellandrene 0.73

myrcene 0.68

β pinene 0.67

para-cymen-8-ol 0.06

para-cymenene 0.04

**Monoterpenols 42.53%**

terpinen-4-ol 37.64

α terpineol 3.50

cis-para-Menth-2-en-1-ol 0.38

cis-sabinene hydrate 0.34

trans-para-menth-2-en-1-ol 0.27

trans-piperitol 0.15

trans-ascaridol glycol 0.14

trans-sabinene hydrate 0.11

**Sesquiterpenes 10.2%**

bicyclogermacrene 1.73

δ cadinene 1.71

aromadendrene 1.24

viridiflorene 1.23

allo-aromadendrene 0.66

trans-cadina-1(6),4-diene 0.52

β caryophyllene 0.51

α gurjunene 0.38

zonarene 0.37

β guaiane 0.32

trans-Muurolo-3,5-diene 0.31

trans-Cadina-1,4-diene 0.28

α copaene 0.20

α muurolene 0.20

α humulene 0.15

α cubebene 0.09

β elemene 0.09

isoledene 0.08

δ elemene 0.07

γ cadinene 0.04

β gurjunene 0.02

**Sesquiterpenols 1.02%**

viridiflorol 0.13

guaiol 0.09

rosifoliol 0.06

palustrol 0.08

sputhulenol 0.06

globulol 0.23

gleenol 0.03

1,10-di-epi-cubenol 0.19

1-epi-cubenol 0.12

α muurolol 0.03

Raw Material: Melaleuca alternifolia

Production Steam Dist., leaves

Date of Analysis: 9/14/2019

Client



Source



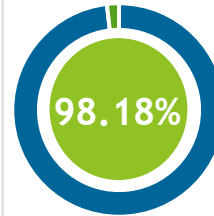
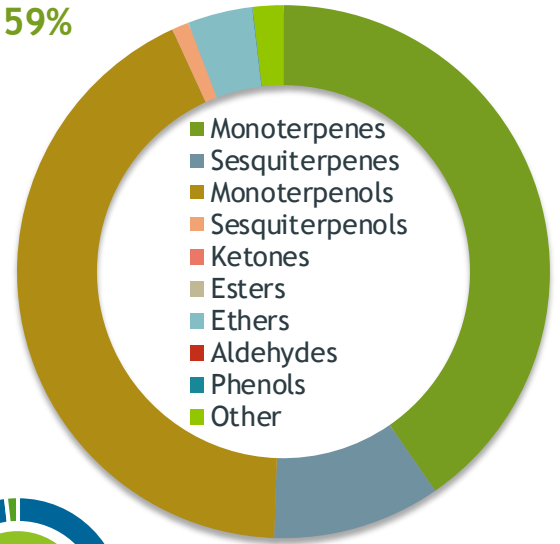
Tea Tree (*Melaleuca alternifolia*)  
AU-58991

Sample

Tea Tree (*Melaleuca alternifolia*)  
Batch #:..... AU-58991  
Type:..... Essential Oil  
CAS Number:... 68647-73-4  
Nature's Gift

Monoterpenols

42.59%



Percentage Identified

Client



Website



Primary

37.64% | Terpinen-4-ol  
16.42% | gamma-Terpinene  
9.57% | 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-3242



Essential Validation Services

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

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

Monoterpenes	40.36%	40.36%
Sesquiterpenes	10.20%	10.20%
Monoterpenols	42.59%	42.59%
Sesquiterpenols		1.02%
Ketones		0.00%
Esters		0.03%
Ethers	3	3.92%
Aldehydes		0.00%
Phenols		0.03%
Other		1.85%

Client



Source

Tea Tree (*Melaleuca alternifolia*)

AU-58991

Total Percentage		98.18%		
Number	RT	Area %	Compound Name	Chemical Family
1	6.20	0.03%	cis-Hex-3-en-1-ol	Aliphatic Alcohol
2	8.68	0.82%	alpha-Thujene	Monoterpene
3	8.95	2.05%	alpha-Pinene	Monoterpene
4	10.56	1.71%	Sabinene	Monoterpene
5	10.74	0.67%	beta-Pinene	Monoterpene
6	11.32	0.68%	Myrcene	Monoterpene
7	12.00	0.73%	alpha-Phellandrene	Monoterpene
8	12.50	9.57%	alpha-Terpinene	Monoterpene
9	12.82	2.49%	para-Cymene	Monoterpene
10	13.08	1.79%	Limonene	Monoterpene
11	13.14	3.92%	1,8-Cineole	Monoterpene Ether
12	14.42	16.42%	gamma-Terpinene	Monoterpene
13	14.90	0.11%	trans-Sabinene hydrate	Monoterpenol
14	15.63	3.39%	Terpinolene	Monoterpene
15	15.82	0.04%	para-Cymenene	Monoterpene
16	16.31	0.34%	cis-Sabinene hydrate	Monoterpenol
17	17.40	0.38%	cis-para-Menth-2-en-1-ol	Monoterpenol
18	18.25	0.27%	trans-para-Menth-2-en-1-ol	Monoterpenol
19	20.14	37.64%	Terpinen-4-ol	Monoterpenol
20	20.32	0.06%	para-Cymen-8-ol	Monoterpenol
21	20.71	3.50%	alpha-Terpineol	Monoterpenol
22	21.35	0.15%	trans-Piperitol	Monoterpenol
23	22.60	0.03%	cis-Verbenyl acetate	Monoterpene Ester
24	24.24	0.14%	trans-Ascaridol glycol	Monoterpenol
25	26.44	0.07%	delta-Elemene	Sesquiterpene
26	27.54	0.09%	alpha-Cubebene	Sesquiterpene
27	28.54	0.08%	Isolatedene	Sesquiterpene
28	28.75	0.20%	alpha-Copaene	Sesquiterpene
29	29.35	0.09%	beta-Elemene	Sesquiterpene
30	29.80	0.03%	Methyl eugenol	Phenylpropanoid
31	30.07	0.38%	alpha-Gurjunene	Sesquiterpene
32	30.55	0.51%	beta-Caryophyllene	Sesquiterpene
33	31.01	0.02%	beta-Gurjunene	Sesquiterpene
34	31.34	1.24%	Aromadendrene	Sesquiterpene
35	31.78	0.31%	trans-Muurola-3,5-diene	Sesquiterpene

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

Client



Source



Tea Tree (Melaleuca alternifolia)  
AU-58991

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

Number	RT	Area %	Compound Name	Chemical Family
36	32.02	0.15%	alpha-Humulene	Sesquiterpene
37	32.22	0.66%	allo-Aromadendrene	Sesquiterpene
38	32.75	0.52%	trans-Cadina-1(6),4-diene	Sesquiterpene
39	33.38	0.32%	beta-Guaiene	Sesquiterpene
40	33.52	1.23%	Viridiflorene	Sesquiterpene
41	33.68	1.73%	Bicyclogermacrene	Sesquiterpene
42	33.84	0.20%	alpha-Muurolene	Sesquiterpene
43	34.38	0.04%	gamma-Cadinene	Sesquiterpene
44	34.64	1.71%	delta-Cadinene	Sesquiterpene
45	34.79	0.37%	Zonarene	Sesquiterpene
46	35.16	0.28%	trans-Cadina-1,4-diene	Sesquiterpene
47	36.56	0.08%	Palustrol	Sesquiterpenol
48	36.82	0.06%	Spathulenol	Sesquiterpenol
49	37.17	0.23%	Globulol	Sesquiterpenol
50	37.28	0.03%	Gleenol	Sesquiterpenol
51	37.49	0.13%	Viridiflorol	Sesquiterpenol
52	37.60	0.09%	Guaiol	Sesquiterpenol
53	37.98	0.06%	Rosifoliol	Sesquiterpenol
54	38.79	0.19%	1,10-di-epi-Cubenol	Sesquiterpenol
55	39.35	0.12%	1-epi-Cubenol	Sesquiterpenol
56	39.49	0.03%	alpha-Muurolol	Sesquiterpenol