



316 Old Hickory Blvd East, Madison, TN 37115

tel (615)612-4270 fax (615)860-9171

sold@naturesgift.com

Balancing Body, Mind and Spirit with Pure Essential Oils

Since 1995

www.naturesgift.com

Tea Tree
Melaleuca alternifolia
Australia
Batch No. AU-59155

Monoterpenes 41.68%

γ terpinene	17.51
α terpinene	9.93
terpinolene	3.33
α pinene	2.26
limonene	1.97
sabinene	1.67
para cymene	1.62
α thujene	0.92
myrcene	0.92
α phellandrene	0.77
β pinene	0.74
para-cymenene	0.04
(E) β ocimene	0.02
pseudolimonene	0.01
(Z) β ocimene	0.01
para menthatriene	0.01

Monoterpenols 43.1%

terpinen-4-ol	38.53
α terpineol	3.20
cis-para-Menth-2-en-1-ol	0.37
cis-sabinene hydrate	0.34
trans-para-menth-2-en-1-ol	0.24
trans-piperitol	0.11
trans-sabinene hydrate	0.10
ascaridole	0.08
para-cymen-8-ol	0.07
geraniol	0.03
nerol	0.02
trans-ascaridol glycol	0.01
terpinen-1-ol	0.01
δ terpineol	0.01

Sesquiterpenes 9.47%

bicyclogermacrene	1.38
δ cadinene	1.32
aromadendrene	1.20
viridiflorene	1.10
δ elemene	0.67
allo-aromadendrene	0.60
β caryophyllene	0.46
trans-cadina-1(6),4-diene	0.44
α gurjunene	0.34
β guaiane	0.29
zonarene	0.29
trans-Muurolo-3,5-diene	0.26
trans-Cadina-1,4-diene	0.23
α muurolene	0.19
α copaene	0.17
α humulene	0.14
α cubebene	0.08
β elemene	0.08
β gurjunene	0.07
isodene	0.06
longifolene	0.06
γ muurolene	0.04
γ cadinene	0.02
sativene	0.02
α guaiane	0.02
δ guaiane	0.01

Sesquiterpenols 0.86%

globulol	0.24
viridiflorol	0.11
1-epi-cubenol	0.09
1,10 di-epi-cubenol	0.09
maaliol	0.08
rosifoliol	0.08
palustrol	0.06
isopathulenol	0.04
sputhulenol	0.04
gleenol	0.03
ledol	0.03
α muurolol	0.02

Ethers 4.14%

1,8 cineole	4.14
-------------	------

Phenols 0.02%

methyl eugenol	0.02
----------------	------

Other 0.02%

cis-hex-3-en-1-ol	0.02
-------------------	------

Raw Material: Melaleuca alternifolia

Production Steam Dist., leaves

Date of Analysis: 2/15/2021

Client



Source



Tea Tree (*Melaleuca alternifolia*)
AU-59155

Sample

Tea Tree (*Melaleuca alternifolia*)
Batch #:..... AU-59155
Type:..... Essential Oil
CAS Number:... 68647-73-4
Nature's Gift

Client



Website

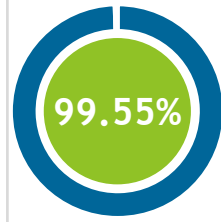
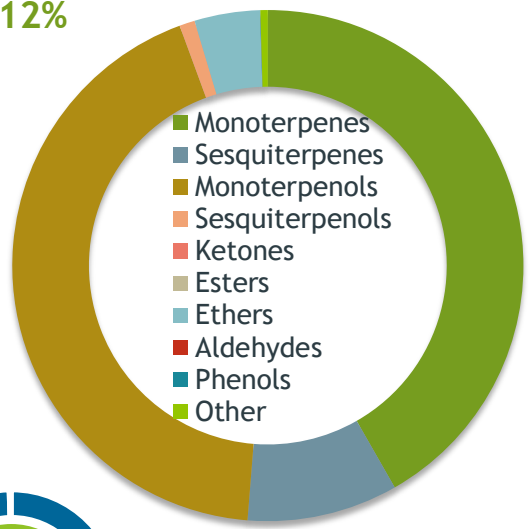


Primary

38.53% | Terpinen-4-ol
17.51 | gamma-Terpinene
9.93% | alpha-Terpinene

Monoterpenols

43.12%



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-4215



Essential Validation Services

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

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

Alan Christen

Monoterpenes	41.73%	41.73%
Sesquiterpenes	9.54%	9.54%
Monoterpenols	43.12%	43.12%
Sesquiterpenols		0.98%
Ketones		0.00%
Esters		0.00%
Ethers	4.14%	4.14%
Aldehydes		0.00%
Phenols		0.02%
Other		0.47%

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-59155

Total Percentage		99.55%		
Number	RT	Area %	Compound Name	Chemical Family
1	5.72	0.02%	cis-Hex-3-en-1-ol	Aliphatic Alcohol
2	8.02	0.92%	alpha-Thujene	Monoterpene
3	8.27	2.26%	alpha-Pinene	Monoterpene
4	9.84	1.67%	Sabinene	Monoterpene
5	10.00	0.74%	beta-Pinene	Monoterpene
6	10.59	0.92%	Myrcene	Monoterpene
7	11.13	0.01%	Pseudolimonene	Monoterpene
8	11.24	0.77%	alpha-Phellandrene	Monoterpene
9	11.73	9.93%	alpha-Terpinene	Monoterpene
10	12.04	1.62%	para-Cymene	Monoterpene
11	12.29	1.97%	Limonene	Monoterpene
12	12.35	4.14%	1,8-Cineole	Monoterpene Ether
13	12.63	0.01%	(Z)-beta-Ocimene	Monoterpene
14	13.09	0.02%	(E)-beta-Ocimene	Monoterpene
15	13.62	17.51%	gamma-Terpinene	Monoterpene
16	14.09	0.10%	trans-Sabinene hydrate	Monoterpenol
17	14.80	3.33%	Terpinolene	Monoterpene
18	15.00	0.04%	para-Cymenene	Monoterpene
19	15.49	0.34%	cis-Sabinene hydrate	Monoterpenol
20	16.56	0.37%	cis-para-Menth-2-en-1-ol	Monoterpenol
21	17.00	0.01%	para-Menthatriene	Monoterpene
22	17.11	0.01%	Terpinen-1-ol	Monoterpenol
23	17.41	0.24%	trans-para-Menth-2-en-1-ol	Monoterpenol
24	18.74	0.01%	delta-Terpineol	Monoterpenol
25	19.28	38.53%	Terpinen-4-ol	Monoterpenol
26	19.49	0.07%	para-Cymen-8-ol	Monoterpenol
27	19.86	3.20%	alpha-Terpineol	Monoterpenol
28	20.49	0.11%	trans-Piperitol	Monoterpenol
29	21.23	0.02%	Nerol	Monoterpenol
30	22.44	0.03%	Geraniol	Monoterpenol
31	23.39	0.01%	trans-Ascaridol glycol	Monoterpenol
32	25.50	0.08%	Ascaridole	Monoterpenol
33	25.94	0.67%	delta-Elemene	Sesquiterpene
34	26.60	0.08%	alpha-Cubebene	Sesquiterpene
35	27.59	0.06%	Isoledene	Sesquiterpene

Client



Source



Tea Tree (*Melaleuca alternifolia*)
AU-59155

Number	RT	Area %	Compound Name	Chemical Family
36	27.801	0.17%	alpha-Copaene	Sesquiterpene
37	28.41	0.08%	beta-Elemene	Sesquiterpene
38	28.54	0.02%	Sativene	Sesquiterpene
39	28.93	0.02%	Methyl eugenol	Phenylpropanoid
40	29.11	0.34%	alpha-Gurjunene	Sesquiterpene
41	29.59	0.46%	beta-Caryophyllene	Sesquiterpene
42	29.91	0.06%	Longifolene	Sesquiterpene
43	30.19	0.07%	beta-Gurjunene	Sesquiterpene
44	30.38	1.20%	Aromadendrene	Sesquiterpene
45	30.53	0.02%	alpha-Guaiene	Sesquiterpene
46	30.82	0.26%	trans-Muurola-3,5-diene	Sesquiterpene
47	31.06	0.14%	alpha-Humulene	Sesquiterpene
48	31.25	0.60%	allo-Aromadendrene	Sesquiterpene
49	31.80	0.44%	trans-Cadina-1(6),4-diene	Sesquiterpene
50	31.92	0.04%	gamma-Muurolene	Sesquiterpene
51	32.43	0.29%	beta-Guaiene	Sesquiterpene
52	32.56	1.10%	Viridiflorene	Sesquiterpene
53	32.73	1.38%	Bicyclogermacrene	Sesquiterpene
54	32.90	0.19%	alpha-Muurolene	Sesquiterpene
55	33.44	0.02%	gamma-Cadinene	Sesquiterpene
56	33.69	1.32%	delta-Cadinene	Sesquiterpene
57	33.84	0.29%	Zonarene	Sesquiterpene
58	34.01	0.01%	delta-Guaiene	Sesquiterpene
59	34.21	0.23%	trans-Cadina-1,4-diene	Sesquiterpene
60	35.32	0.08%	Maaliol	Sesquiterpenol
61	35.60	0.06%	Palustrol	Sesquiterpenol
62	35.87	0.04%	Spathulenol	Sesquiterpenol
63	36.22	0.24%	Globulol	Sesquiterpenol
64	36.34	0.03%	Gleenol	Sesquiterpenol
65	36.54	0.11%	Viridiflorol	Sesquiterpenol
66	36.93	0.03%	Ledol	Sesquiterpenol
67	37.69	0.08%	Rosifoliol	Sesquiterpenol
68	37.85	0.16%	1,10-di-epi-Cubenol	Sesquiterpenol
69	38.03	0.04%	Isospathulenol	Sesquiterpenol
70	38.40	0.09%	1-epi-Cubenol	Sesquiterpenol
71	38.56	0.02%	alpha-Muurolol	Sesquiterpenol

ESSENTIAL VALIDATION SERVICES | 74 / SW 2ND AVE GAINESVILLE, FLORIDA 32601 | 352-3501-5044