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Balancing Body, Mind and Spirit with Pure Essential Oils

Since 1995

www.naturesgift.com

Lemon Tea Tree

Leptospermum petersonii

Batch No. AU-59072

Australia

Monoterpenes	0.54%
β pinene	0.18
limonene	0.09
α pinene	0.08
γ terpinene	0.04
myrcene	0.03
sabinene	0.03
terpinolene	0.03
(Z) β ocimene	0.02
(E) β ocimene	0.01
para cymene	0.01
α thujene	0.01
p-mentha-3,8-diene	0.01

Sesquiterpenes	1.4%
cis caryophyllene	0.95
α humulene	0.11
bicyclgermacrene	0.07
α copaene	0.06
β elemene	0.05
longifolene	0.05
β cadinene	0.03
δ elemene	0.03
β bisabolene	0.02
alloaromadendrene	0.02
germacrene D	0.01

Esters	0.62%
citronellyl acetate	0.49
geranyl acetate	0.06
α terpinyl acetate	0.03
isobutyl isobutyrate	0.02
isoamyl isobutyrate	0.01
2-methylbutyl isobutyrate	0.01

Monoterpenols	12.28%
citronellol	5.35
geraniol	3.17
isopulegol	1.52
isoisopulegol	0.82
nerol	0.59
linalool	0.37
α terpineol	0.36
borneol	0.06
myrcenol	0.02
trans-carveol	0.02

Sesquiterpenols	0.07%
epi-α-bisabolol	0.06
spathulenol	0.01

Ethers	0.55%
1,8 cineole	0.51
cis-rose oxide	0.03
trans-rose oxide	0.01

Aldehydes	82.5%
geranial	32.62
neral	27.31
citronellal	20.89
(E) isocitral	1.09
(Z) isocitral	0.47
exo-isocitral	0.08
bergamal	0.04

Ketones	0.03%
6-methyl-5-hepten-2-one	0.03

Other	0.25%
dihydrocitronellol	0.25

Raw Material: *Leptospermum petersonii*

Production Steam Dist., leaves

Date of Analysis: 6/19/2020

Client



Source



Lemon Tea Tree (*Leptospermum petersonii*)
AU-59072

Sample

Lemon Tea Tree (*Leptospermum petersonii*)

Batch #:..... AU-59072
Type:..... Essential Oil
CAS Number:... 85085-43-4

Nature's Gift

Client



Website

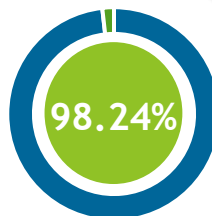
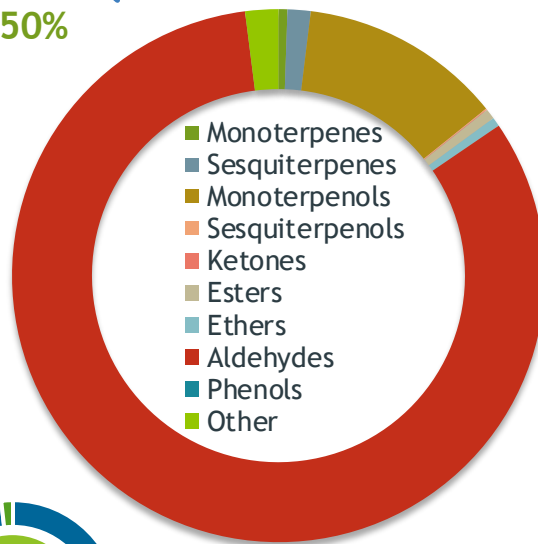


Primary

32.62% Geranial
27.31% Neral
20.89% Citronellal

Aldehydes

82.50%



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 Lemon Tea Tree (*Leptospermum petersonii*)

Internal Number: | EVS-3752



Essential Validation Services

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

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

Monoterpenes	0.54%
Sesquiterpenes	1.40%
Monoterpenols	12.28%
Sesquiterpenols	0.07%
Ketones	0.03%
Esters	0.62%
Ethers	0.55%
Aldehydes	82.50%
Phenols	0.00%
Other	2.01%

- 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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Client



Source

Lemon Tea Tree (*Leptospermum petersonii*)

AU-59072

Total Percentage		98.24%		
Number	RT	Area %	Compound Name	Chemical Family
1	7.89	0.02%	Isobutyl isobutyrate	Aliphatic Ester
2	8.31	0.01%	alpha-Thujene	Monoterpene
3	8.56	0.08%	alpha-Pinene	Monoterpene
4	10.14	0.03%	Sabinene	Monoterpene
5	10.32	0.18%	beta-Pinene	Monoterpene
6	10.69	0.03%	6-Methyl-5-hepten-2-one	Aliphatic Ketone
7	10.90	0.03%	Myrcene	Monoterpene
8	11.91	0.01%	Isoamyl isobutyrate	Aliphatic Ester
9	12.05	0.01%	2-Methylbutyl isobutyrate	Aliphatic Ester
10	12.37	0.01%	para-Cymene	Monoterpene
11	12.58	0.09%	Limonene	Monoterpene
12	12.68	0.51%	1,8-Cineole	Monoterpene Ether
13	12.96	0.02%	(Z)-beta-Ocimene	Monoterpene
14	13.42	0.01%	(E)-beta-Ocimene	Monoterpene
15	13.69	0.04%	Bergamal	Aliphatic Aldehyde
16	13.91	0.04%	gamma-Terpinene	Monoterpene
17	14.48	0.01%	p-Mentha-3,8-diene	Monoterpene
18	15.15	0.03%	Terpinolene	Monoterpene
19	15.86	0.37%	Linalool	Monoterpenol
20	16.31	0.03%	cis-Rose oxide	Monoterpene Ether
21	17.05	0.01%	trans-Rose oxide	Monoterpene Ether
22	17.21	0.02%	Myrcenol	Monoterpenol
23	17.86	0.08%	exo-Isocitral	Monoterpene Aldehyde
24	18.02	1.52%	Isopulegol	Monoterpenol
25	18.37	20.89%	Citronellal	Monoterpene Aldehyde
26	18.49	0.82%	Isoisopulegol	Monoterpenol
27	18.71	0.47%	(Z)-isocitral	Monoterpene Aldehyde
28	19.10	0.06%	Borneol	Monoterpenol
29	19.58	1.09%	(E)-Isocitral	Monoterpene Aldehyde
30	20.20	0.36%	alpha-Terpineol	Monoterpenol
31	20.33	0.25%	Dihydrocitronellol	Synthetic
32	20.73	0.02%	trans-Carveol	Monoterpenol
33	21.64	0.59%	Nerol	Monoterpenol
34	21.88	5.35%	Citronellol	Monoterpenol
35	22.34	27.31%	Neral	Monoterpene Aldehyde

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Client



Source



Lemon Tea Tree (Leptospermum petersonii)
AU-59072

Number	RT	Area %	Compound Name	Chemical Family
36	22.878	3.17%	Geraniol	Monoterpene Aldehyde
37	23.72	32.62%	Geranial	Monoterpene Aldehyde
38	26.36	0.03%	delta-Elemene	Sesquiterpene
39	27.00	0.03%	alpha-Terpinyl acetate	Monoterpene Ester
40	27.20	0.49%	Citronellyl acetate	Monoterpene Ester
41	28.22	0.06%	alpha-Copaene	Sesquiterpene
42	28.42	0.06%	Geranyl acetate	Monoterpene Ester
43	28.83	0.05%	beta-Elemene	Sesquiterpene
44	29.55	0.05%	Longifolene	Sesquiterpene
45	30.02	0.95%	cis-Caryophyllene	Sesquiterpene
46	31.49	0.11%	alpha-Humulene	Sesquiterpene
47	31.67	0.02%	allo-Aromadendrene	Sesquiterpene
48	32.55	0.01%	Germacrene D	Sesquiterpene
49	33.15	0.07%	Bicyclogermacrene	Sesquiterpene
50	33.73	0.02%	beta-Bisabolene	Sesquiterpene
51	34.10	0.03%	beta-Cadinene	Sesquiterpene
52	36.29	0.01%	Spathulenol	Sesquiterpenol
53	40.44	0.06%	epi-alpha-Bisabolol	Sesquiterpenol

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