

Sample:

Client: | Nature's Gift
Sample: | Lemon Tea Tree (*Leptospermum petersonii*)
Batch # | AU-58779
CAS Number | 85085-43-4
Type: | Essential Oil

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*).



X 

Validated By:

Essential Validation Services

747 SW 2nd Ave, Gainesville, FL 32601

Phone: 317-361-5044 E-mail: Adam@essentialvalidationservices.com

Summary of Analyses

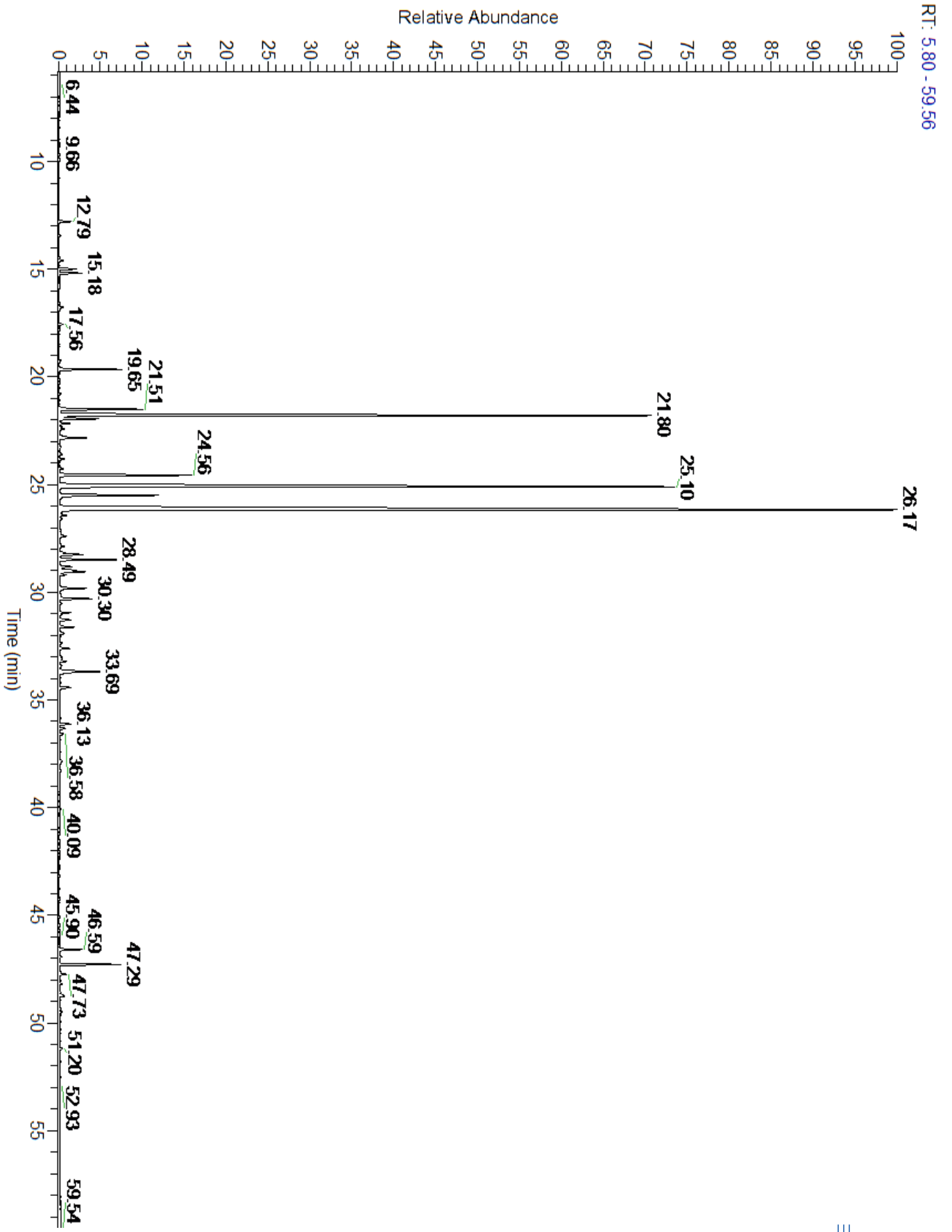
A fresh sample of Lemon Tea Tree (*Leptospermum petersonii*) Essential Oil (10 uL in .5 to .5 mL Hexane + ETOH) was prepared and analyzed via split injection GC/EI-MS.

Main Compounds	Percentages
Geranial	33.55%
Neral	21.41%
Citronellal	17.10%
Citronellol (Co-Eluting)	3.39%
Geraniol	2.69%
Isopulegol	2.07%
Linalool	1.43%
Bicyclogermacrene	1.40%
Citronellyl acetate	1.36%
Isoisopulegol	1.02%
beta-Elemene	0.79%
(E)-Isocitral	0.77%
Geranyl acetate	0.69%

Monoterpenes	Sesquiterpenes	Monoterpenols	Sesquiterpenols	Ketones
1.13%	4.09%	11.08%	0.57%	0.38%
Esters	Ethers	Aldehydes	Phenols	Other
2.21%	0.57%	73.07%	0.66%	6.24%



- Monoterpenes ■ Sesquiterpenes ■ Monoterpenols
- Sesquiterpenols ■ Ketones ■ Esters
- Ethers ■ Phenols ■ Other



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

Total Percentage		93.77%			
Peak Number	RT	Area %	Compound Name	RI	Chemical Family
1	9.66	0.01%	cis-Hex-3-en-1-ol	850.00	Aliphatic Alcohol
2	12.79	0.28%	alpha-Pinene	936.10	Monoterpene
3	14.46	0.01%	Sabinene	973.00	Monoterpene
4	14.59	0.09%	beta-Pinene	974.00	Monoterpene
5	14.99	0.38%	6-Methyl-5-hepten-2-one	982.00	Aliphatic Ketone
6	15.18	0.51%	Myrcene	989.20	Monoterpene
7	15.76	0.02%	alpha-Phellandrene	1002.00	Monoterpene
8	16.59	0.02%	para-Cymene	1024.30	Monoterpene
9	16.77	0.12%	Limonene	1029.50	Monoterpene
10	17.56	0.08%	(E)-beta-Ocimene	1047.70	Monoterpene
11	19.65	1.43%	Linalool	1099.00	Monoterpenol
12	21.51	2.07%	Isopulegol	1151.25	Monoterpenol
13	21.80	17.10%	Citronellal	1154.50	Monoterpene Aldehyde
14	21.94	1.02%	Isosopulegol	1156.05	Monoterpenol
15	22.17	0.24%	(Z)-Isocitral	1163.50	Monoterpene Aldehyde
16	22.32	0.06%	para-Mentha-1,5-dien-8-ol	1163.00	Monoterpenol
17	22.43	0.12%	Neoisosopulegol	1168.10	Monoterpenol
18	22.83	0.77%	(E)-Isocitral	1183.57	Monoterpene Aldehyde
19	23.24	0.07%	alpha-Terpineol	1191.71	Monoterpenol
20	23.81	0.12%	trans-Piperitol	1208.50	Monoterpenol
21	24.25	0.11%	trans-Carveol	1223.14	Monoterpenol
22	24.56	3.39%	Citronellol	1229.25	Monoterpenol
23	24.56	Co-Eluting	Nerol	1230.67	Monoterpenol
24	25.10	21.41%	Neral	1246.57	Monoterpene Aldehyde
25	25.50	2.69%	Geraniol	1255.29	Monoterpenol
26	26.17	33.55%	Geranial	1272.00	Monoterpene Aldehyde
27	27.40	0.19%	UK		
28	28.25	0.57%	alpha-Terpinyl acetate	1353.00	Monoterpene Ether
29	28.49	1.36%	Citronellyl acetate	1357.83	Monoterpene Ester
30	28.81	0.29%	UK		
31	28.98	0.43%	UK		
32	29.05	0.61%	Eugenol	1365.89	Phenylpropanoid
33	29.19	0.16%	Neryl acetate	1362.90	Monoterpene Ester
34	29.81	0.69%	Geranyl acetate	1379.20	Monoterpene Ester
35	30.30	0.79%	beta-Elemene	1389.20	Sesquiterpene
36	30.53	0.05%	Methyl Eugenol	1407.27	Phenylpropanoid
37	30.95	0.24%	alpha-Gurjunene	1412.00	Sesquiterpene
38	31.29	0.30%	beta-Caryophyllene	1427.14	Sesquiterpene
39	31.62	0.34%	trans-alpha-Bergamotene	1435.00	Sesquiterpene
40	31.91	0.15%	Aromadendrene	1449.80	Sesquiterpene
41	32.36	0.07%	alpha-Humulene	1461.43	Sesquiterpene
42	32.61	0.25%	allo-Aromadendrene	1471.00	Sesquiterpene
43	33.09	0.07%	alpha-Amorphene	1481.75	Sesquiterpene

