



Manuka (*Leptospermum scoparium*)

Sample:



Client: | Nature's Gift
 Sample: | Manuka
 Latin Name: | Leptospermum scoparium
 Batch #: | NZ-58802
 CAS Number: | 223749-44-8
 Type: | Essential Oil

Laboratory:



Essential Validation Services

<https://essentialvalidationservices.com/>
adam@essentialvalidationservices.com
 747 SW 2nd Ave, Suite 306 IMB 12
 Gainesville, FL 32601
 317-361-5044

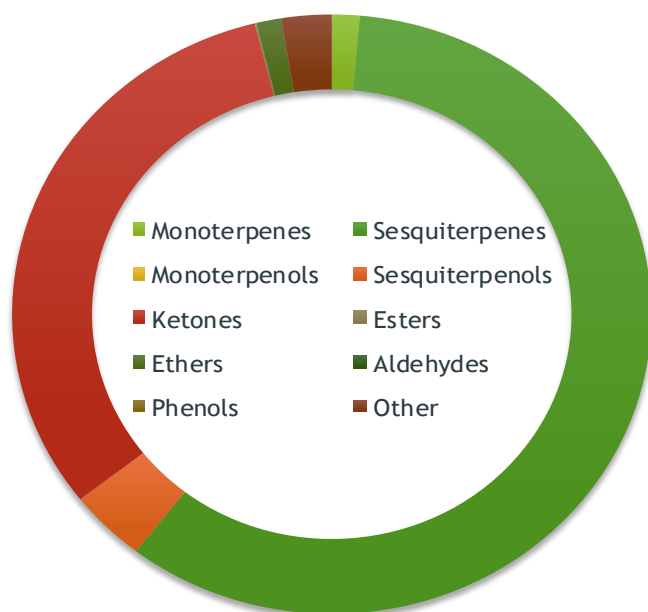
Top 5 Compounds:

No adulterants, diluents, or contaminants were detected via this method. This oil meets the expected profile for genuine essential oil of Manuka (*Leptospermum scoparium*).

Conclusion:



Compounds	%
Leptospermone	23.34%
trans-Calamenene	22.02%
Isoleptospermone	7.73%
alpha-Calacorene	7.47%
alpha-Copaene	4.89%



Chemical Families	
Monoterpenes	Sesquiterpenes
1.41%	59.08%
Monoterpenols	Sesquiterpenols
0.00%	3.92%
Ketones	Esters
31.71%	0.09%
Ethers	Aldehydes
1.26%	0.00%
Phenols	Other
0.00%	2.53%

X

Adam Christensen
 Adam Christensen
 CEO



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Total Percentage		97.47%			
Number	RT	Area %	Compound Name	RI	Chemical Family
1	12.44	0.01%	alpha-Thujene	927.80	Monoterpene
2	12.70	1.14%	alpha-Pinene	936.10	Monoterpene
3	14.51	0.06%	beta-Pinene	974.00	Monoterpene
4	15.15	0.05%	Myrcene	989.20	Monoterpene
5	16.52	0.07%	para-Cymene	1024.30	Monoterpene
6	16.68	0.04%	Limonene	1029.50	Monoterpene
7	16.78	0.13%	1,8-Cineole	1031.80	Monoterpene Ether
8	17.96	0.04%	gamma-Terpinene	1054.00	Monoterpene
9	19.79	0.06%	Isoamyl isovalerate	1103.10	Aliphatic Ester
10	19.91	0.03%	2-Methylbutyl 3-methylbutyrate	1103.00	Monoterpene Ester
11	28.81	1.68%	alpha-Cubebene	1355.71	Sesquiterpene
12	29.58	0.20%	alpha-Ylangene	1371.33	Sesquiterpene
13	29.75	4.89%	alpha-Copaene	1379.00	Sesquiterpene
14	30.06	0.04%	beta-Bourbonene	1388.70	Sesquiterpene
15	30.21	0.30%	beta-Elemene	1389.20	Sesquiterpene
16	30.87	0.62%	alpha-Gurjunene	1412.00	Sesquiterpene
17	31.20	1.18%	beta-Caryophyllene	1427.14	Sesquiterpene
18	31.61	0.17%	beta-Gurjunene	1433.00	Sesquiterpene
19	31.82	1.90%	Aromadendrene	1449.80	Sesquiterpene
20	32.16	1.35%	cis-Murola-3,5-diene	1456.75	Sesquiterpene
21	32.28	0.17%	alpha-Humulene	1461.43	Sesquiterpene
22	32.52	0.57%	allo-Aromadendrene	1471.00	Sesquiterpene
23	32.85	2.28%	gamma-Gurjunene	1473.17	Sesquiterpene
24	32.94	1.16%	gamma-Murolene	1478.86	Sesquiterpene
25	33.05	0.14%	Amorpha-4,7(11)-diene	1482.00	Sesquiterpene
26	33.32	3.45%	beta-Selinene	1487.57	Sesquiterpene
27	33.59	4.14%	alpha-Selinene	1492.50	Sesquiterpene
28	33.75	0.52%	(E,E)-alpha-Farnesene	1508.14	Sesquiterpene
29	34.11	0.65%	gamma-Cadinene	1515.29	Sesquiterpene
30	34.42	22.02%	trans-Calamenene	1529.50	Sesquiterpene
31	34.68	3.69%	alpha-Cadinene	1537.86	Sesquiterpene
32	34.91	7.47%	alpha-Calacorene	1537.14	Sesquiterpene
33	35.42	0.08%	(Z)-Nerolidol	1542.25	Sesquiterpenol
34	35.58	0.14%	beta-Calacorene	1555.50	Sesquiterpene
35	35.70	0.22%	Flavesone	1558.40	Triketone
36	36.06	0.67%	Spathulenol	1587.00	Sesquiterpenol
37	36.25	1.13%	Caryophyllene oxide	1594.86	Sesquiterpene Ether
38	36.51	0.31%	Viridiflorol	1596.00	Sesquiterpenol
39	37.13	7.73%	Isoleptospermone	1610.20	Sesquiterpene Ketone
40	37.43	23.34%	Leptospermone	1602.00	Triketone

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[illegible]



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