

Client



Source



Lemon Organic (Citrus x limon)  
C34758ORG

Sample

Lemon Organic (Citrus x limon)  
Batch #:..... C34758ORG  
Type:..... Essential Oil  
CAS Number:... 8008-56-8  
Natural Sourcing LLC

Client



Website

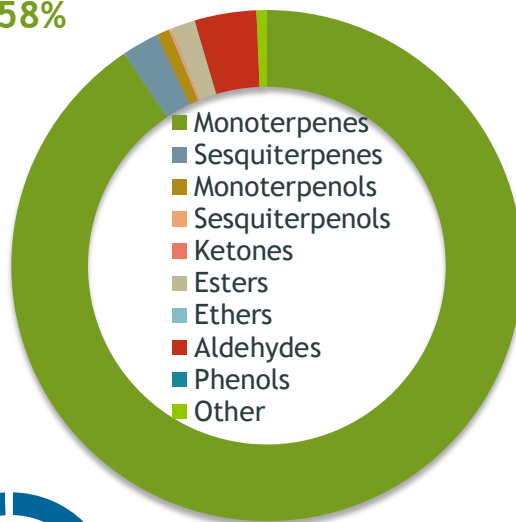


Primary

**56.33%** | Limonene  
**14.29** | beta-Pinene  
**9.67%** | gamma-Terpinene

Monoterpenes

90.58%



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 Organic (Citrus x limon)

Internal Number: | EVS-3989



Essential Validation Services

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

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

*Alan Chastain*

Monoterpenes	90.58%	90.58%
Sesquiterpenes		2.34%
Monoterpenols		0.82%
Sesquiterpenols		0.10%
Ketones		0.04%
Esters		1.55%
Ethers		0.01%
Aldehydes		3.91%
Phenols		0.00%
Other		0.65%

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Total Percentage		99.43%		
Number	RT	Area %	Compound Name	Chemical Family
1	7.86	0.01%	Tricyclene	Monoterpene
2	8.03	0.54%	alpha-Thujene	Monoterpene
3	8.28	2.43%	alpha-Pinene	Monoterpene
4	8.89	0.08%	Camphene	Monoterpene
5	9.85	3.21%	Sabinene	Monoterpene
6	10.03	14.29%	beta-Pinene	Monoterpene
7	10.41	0.02%	6-Methyl-5-hepten-2-one	Aliphatic Ketone
8	10.60	2.42%	Myrcene	Monoterpene
9	11.19	0.11%	Octanal	Aliphatic Aldehyde
10	11.24	0.04%	alpha-Phellandrene	Monoterpene
11	11.72	0.28%	alpha-Terpinene	Monoterpene
12	12.08	0.54%	para-Cymene	Monoterpene
13	12.41	56.33%	Limonene	Monoterpene
14	12.64	0.07%	(Z)-beta-Ocimene	Monoterpene
15	13.10	0.16%	(E)-beta-Ocimene	Monoterpene
16	13.60	9.67%	gamma-Terpinene	Monoterpene
17	14.10	0.09%	trans-Sabinene hydrate	Monoterpenol
18	14.79	0.50%	Terpinolene	Monoterpene
19	15.52	0.24%	Linalool	Monoterpenol
20	15.74	0.20%	Nonanal	Aliphatic Aldehyde
21	16.82	0.01%	Alloocimene	Monoterpene
22	17.15	0.01%	cis-Limonene oxide	Monoterpene Ether
23	17.53	0.01%	Camphor	Monoterpene Ketone
24	17.91	0.08%	Citronellal	Monoterpene Aldehyde
25	18.72	0.01%	Borneol	Monoterpenol
26	19.13	0.04%	Terpinen-4-ol	Monoterpenol
27	19.21	0.01%	(E)-Isocitral	Monoterpene Aldehyde
28	19.82	0.35%	alpha-Terpineol	Monoterpenol
29	20.41	0.06%	Decanal	Aliphatic Aldehyde
30	21.23	0.04%	Nerol	Monoterpenol
31	21.37	0.01%	Citronellol	Monoterpenol
32	21.81	1.24%	Neral	Monoterpene Aldehyde
33	22.00	0.01%	Carvone	Monoterpene Ketone
34	22.44	0.04%	Geraniol	Monoterpenol
35	23.17	2.12%	Geranial	Monoterpene Aldehyde

ESSENTIAL VALIDATION SERVICES | 747 SW 2<sup>ND</sup> 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

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Number	RT	Area %	Compound Name	Chemical Family
36	23.386	0.03%	Perilla aldehyde	Monoterpene Aldehyde
37	24.98	0.04%	Undecanal	Sesquiterpene Aldehyde
38	25.94	0.05%	delta-Elemene	Sesquiterpene
39	26.82	0.04%	Citronellyl acetate	Monoterpene Ester
40	27.20	1.02%	Neryl acetate	Monoterpene Ester
41	28.04	0.46%	Geranyl acetate	Monoterpene Ester
42	29.04	0.03%	Tetradecane	Alkane
43	29.42	0.05%	cis-alpha-Bergamotene	Sesquiterpene
44	29.59	0.34%	beta-Caryophyllene	Sesquiterpene
45	30.25	0.62%	trans-alpha-Bergamotene	Sesquiterpene
46	30.95	0.02%	Neryl propionate	Monoterpene Ester
47	31.06	0.02%	alpha-Humulene	Sesquiterpene
48	31.14	0.05%	(E)-beta-Farnesene	Sesquiterpene
49	31.30	0.02%	beta-Santalene	Sesquiterpene
50	31.82	0.01%	Geranyl propionate	Monoterpene Ester
51	32.60	0.02%	Eremophilene	Sesquiterpene
52	32.71	0.09%	Bicyclogermacrene	Sesquiterpene
53	33.04	0.06%	cis-alpha-Bisabolene	Sesquiterpene
54	33.15	0.01%	Pentadecane	Alkane
55	33.32	1.00%	beta-Bisabolene	Sesquiterpene
56	33.92	0.01%	beta-Sesquiphellandrene	Sesquiterpene
57	34.61	0.01%	trans-alpha-Bisabolene	Sesquiterpene
58	35.88	0.04%	Germacrene D-4-ol	Sesquiterpenol
59	37.04	0.01%	Hexadecane	Alkane
60	37.45	0.01%	Viridiflorol	Sesquiterpenol
61	40.11	0.05%	alpha-Bisabolol	Sesquiterpenol
62	41.21	0.01%	Pentadecanal	Sesquiterpene Aldehyde
63	44.77	0.01%	Hexadecanal	Sesquiterpene Aldehyde
64	61.33	0.01%	Heptacosane	Alkane
65	62.40	0.02%	Nonacosane	Alkane

ESSENTIAL VALIDATION SERVICES | 14 SW 2nd AVE GAINESVILLE, FLORIDA 32601 | 352-350-5044

