

Client



Source



Organic Lemongrass (Cymbopogon flexuosus)
LGO1016

Sample

Organic Lemongrass (Cymbopogon

Batch #:..... LGO1016

Type:..... Essential Oil

CAS Number:... 91844-92-7

Natural Sourcing LLC

Client



Website



Primary

37.74%

Geranial

31.32%

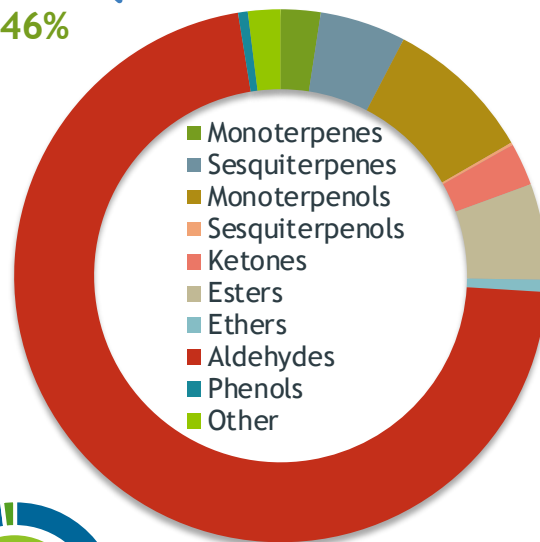
Neral

7.15%

Geraniol

Aldehydes

71.46%



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 Organic Lemongrass (Cymbopogon flexuosus)

Internal Number: | EVS-2860



Essential Validation Services

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

317.361.5044 |

<https://essentialvalidationservices.com/>

adam@essentialvalidationservices.com

Monoterpenes	2.42%
Sesquiterpenes	5.22%
Monoterpenols	9.03%
Sesquiterpenols	0.16%
Ketones	2.59%
Esters	5.82%
Ethers	0.74%
Aldehydes	71.46%
Phenols	0.59%
Other	1.97%

Client



Source



Organic Lemongrass (*Cymbopogon flexuosus*)
LGO1016

Total Percentage		98.03%			
Number	RT	Area %	Compound Name	RI	Chemical Family
1	12.35	0.13%	Tricyclene	923.00	Monoterpene
2	12.86	0.18%	alpha-Pinene	936.10	Monoterpene
3	13.46	1.09%	Camphene	950.30	Monoterpene
4	15.06	1.52%	6-Methyl-5-hepten-2-one	982.00	Aliphatic Ketone
5	15.25	0.09%	Dehydro-1,8-cineole	989.80	Monoterpene Ether
6	15.73	0.07%	Octanal	998.00	Aliphatic Aldehyde
7	16.84	0.29%	Limonene	1029.50	Monoterpene
8	17.20	0.25%	(Z)-beta-Ocimene	1037.80	Monoterpene
9	17.63	0.17%	(E)-beta-Ocimene	1047.70	Monoterpene
10	18.61	0.86%	4-Nonanone	1073.00	Aliphatic Ketone
11	19.30	0.08%	Terpinolene	1092.10	Monoterpene
12	19.73	1.20%	Linalool	1099.00	Monoterpenol
13	19.95	0.10%	alpha-Pinene epoxide	1107.10	Monoterpene
14	21.33	0.13%	Alloocimene	1129.90	Monoterpene
15	21.49	0.12%	exo-Isocitral	1143.00	Monoterpene Aldehyde
16	21.73	0.26%	trans-Chrysanthemal	1152.00	Monoterpene Aldehyde
17	21.80	0.27%	Citronellal	1154.50	Monoterpene Aldehyde
18	22.24	0.52%	(Z)-Isocitral	1163.50	Monoterpene Aldehyde
19	22.40	0.25%	Borneol	1168.71	Monoterpenol
20	22.65	0.19%	Rose furan epoxide	1174.25	Monoterpene Ether
21	22.91	1.00%	(E)-Isocitral	1183.57	Monoterpene Aldehyde
22	23.31	0.18%	alpha-Terpineol	1191.71	Monoterpenol
23	23.77	0.16%	Decanal	1206.57	Aliphatic Aldehyde
24	24.67	0.22%	Citronellol	1229.25	Monoterpenol
25	24.85	0.03%	Nerol	1230.67	Monoterpenol
26	25.21	31.32%	Neral	1246.57	Monoterpene Aldehyde
27	25.64	7.15%	Geraniol	1255.29	Monoterpenol
28	26.30	37.74%	Geranial	1272.00	Monoterpene Aldehyde
29	26.54	0.21%	trans-Carvone oxide	1277.00	Monoterpene Ketone
30	27.22	0.05%	Geranyl formate	1304.35	Monoterpene Ester
31	28.89	0.08%	Citronellyl acetate	1357.83	Monoterpene Ester
32	29.92	5.59%	Geranyl acetate	1379.20	Monoterpene Ester
33	30.40	0.29%	beta-Elemene	1389.20	Sesquiterpene
34	31.39	2.20%	beta-Caryophyllene	1427.14	Sesquiterpene
35	32.14	0.59%	(E)-Isoeugenol	1460.00	Phenylpropanoid

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

Client



Source



Organic Lemongrass (Cymbopogon flexuosus)
 LGO1016

Number	RT	Area %	Compound Name	RI	Chemical Family
36	32.46	0.23%	alpha-Humulene	1461.43	Phenylpropanoid
37	33.31	0.29%	Germacrene D	1484.71	Sesquiterpene
38	33.69	0.16%	epi-Cubebol	1493.67	Sesquiterpenol
39	34.30	1.61%	gamma-Cadinene	1515.29	Sesquiterpene
40	34.52	0.42%	delta-Cadinene	1524.14	Sesquiterpene
41	34.71	0.18%	trans-gamma-Bisabolene	1535.65	Sesquiterpene
42	35.38	0.10%	Geranyl butyrate	1558.00	Monoterpene Ester
43	36.42	0.46%	Caryophyllene oxide	1594.86	Sesquiterpene Ether

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