

Client



Source



Lemongrass (Cymbopogon flexuosus)  
NF-LEMG-19-A

Sample

Lemongrass (Cymbopogon flexuosus)

Batch #:..... NF-LEMG-19-A

Type:..... Essential Oil

CAS Number:... 91844-92-7

Nature's Fusions

Client



Website



Primary

37.77%

Geranial

28.78%

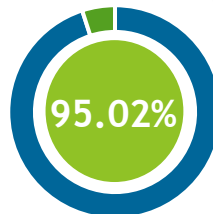
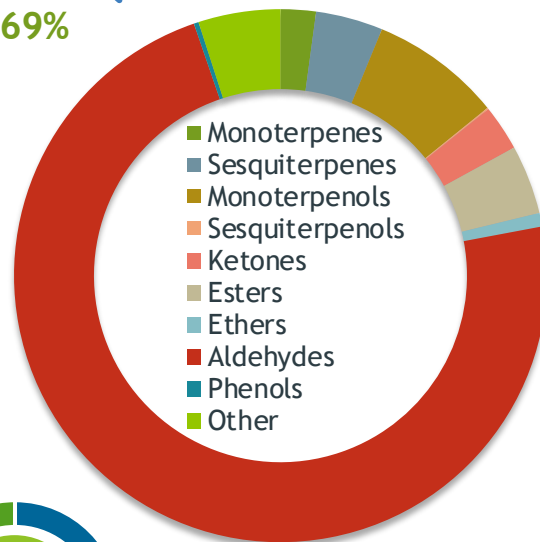
Neral

5.79%

Geraniol

### Aldehydes

72.69%



### 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 Lemongrass (Cymbopogon flexuosus)

Internal Number: | EVS-2887



### Essential Validation Services

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

317.361.5044 |

<https://essentialvalidationservices.com/>

adam@essentialvalidationservices.com

Monoterpenes	2.14%
Sesquiterpenes	4.08%
Monoterpenols	7.94%
Sesquiterpenols	0.09%
Ketones	2.77%
Esters	4.20%
Ethers	0.82%
Aldehydes	72.69%
Phenols	0.29%
Other	4.98%

Client


**Nature's FUSIONS**  
 ESSENTIAL OILS

Source



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Total Percentage		95.02%			
Number	RT	Area %	Compound Name	RI	Chemical Family
1	10.41	0.01%	4-Heptanone	877.00	Aliphatic Ketone
2	12.37	0.08%	Tricyclene	923.00	Monoterpene
3	12.87	0.14%	alpha-Pinene	936.10	Monoterpene
4	13.48	0.87%	Camphene	950.30	Monoterpene
5	15.07	1.39%	6-Methyl-5-hepten-2-one	982.00	Aliphatic Ketone
6	15.27	0.14%	Dehydro-1,8-cineole	989.80	Monoterpene Ether
7	15.75	0.06%	Octanal	998.00	Aliphatic Aldehyde
8	16.85	0.36%	Limonene	1029.50	Monoterpene
9	17.22	0.19%	(Z)-beta-Ocimene	1037.80	Monoterpene
10	17.64	0.20%	(E)-beta-Ocimene	1047.70	Monoterpene
11	18.62	1.37%	4-Nonanone	1073.00	Aliphatic Ketone
12	19.31	0.09%	Terpinolene	1092.10	Monoterpene
13	19.73	1.41%	Linalool	1099.00	Monoterpenol
14	19.96	0.10%	alpha-Pinene epoxide	1107.10	Monoterpene
15	20.88	0.11%	Alloocimene	1129.90	Monoterpene
16	21.33	0.17%	trans-Rose oxide	1127.33	Monoterpene Ether
17	21.48	0.34%	exo-Isocitral	1143.00	Monoterpene Aldehyde
18	21.73	0.26%	trans-Chrysanthemal	1152.00	Monoterpene Aldehyde
19	21.80	0.26%	Citronellal	1154.50	Monoterpene Aldehyde
20	22.23	1.71%	(Z)-Isocitral	1163.50	Monoterpene Aldehyde
21	22.39	0.25%	Borneol	1168.71	Monoterpenol
22	22.64	0.25%	Rose furan epoxide	1174.25	Monoterpene Ether
23	22.90	3.39%	(E)-Isocitral	1183.57	Monoterpene Aldehyde
24	23.30	0.19%	alpha-Terpineol	1191.71	Monoterpenol
25	23.75	0.12%	Decanal	1206.57	Aliphatic Aldehyde
26	24.64	0.30%	Citronellol	1229.25	Monoterpenol
27	25.19	28.78%	Neral	1246.57	Monoterpene Aldehyde
28	25.60	5.79%	Geraniol	1255.29	Monoterpenol
29	26.28	37.77%	Geranial	1272.00	Monoterpene Aldehyde
30	27.20	0.06%	Geranyl formate	1304.35	Monoterpene Ester
31	28.96	0.12%	alpha-Cubebene	1355.71	Sesquiterpene
32	29.64	0.18%	alpha-Ylangene	1371.33	Sesquiterpene
33	29.89	4.11%	Geranyl acetate	1379.20	Monoterpene Ester
34	30.35	0.23%	beta-Elemene	1389.20	Sesquiterpene
35	31.35	1.55%	beta-Caryophyllene	1427.14	Sesquiterpene

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Number	RT	Area %	Compound Name	RI	Chemical Family
36	32.11	0.29%	(E)-Isoeugenol	1460	Sesquiterpene
37	32.42	0.20%	alpha-Humulene	1461.43	Sesquiterpene
38	33.27	0.11%	Germacrene D	1484.71	Sesquiterpene
39	33.65	0.09%	epi-Cubebol	1493.67	Sesquiterpenol
40	34.25	1.23%	gamma-Cadinene	1515.29	Sesquiterpene
41	34.49	0.29%	delta-Cadinene	1524.14	Sesquiterpene
42	34.68	0.17%	trans-gamma-Bisabolene	1535.65	Sesquiterpene
43	35.25	0.03%	Geranyl butyrate	1558.00	Monoterpene Ester
44	36.39	0.26%	Caryophyllene oxide	1594.86	Sesquiterpene Ether

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