

Client



Source



Lemongrass (*Cymbopogon flexuosus*)  
NP-59223

Sample

Lemongrass (*Cymbopogon flexuosus*)  
Batch #:..... NP-59223  
Type:..... Essential Oil  
CAS Number:... 91844-92-7  
**Nature's Gift**

Client



Website

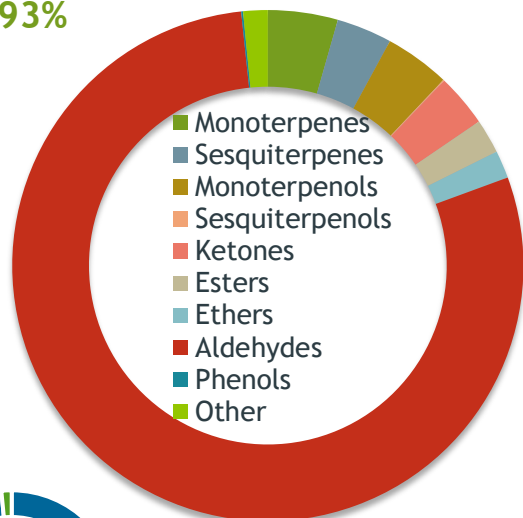


Primary

**40.61%** Geranial  
**33.27%** Neral  
**3.53%** Limonene

**Aldehydes**

**78.93%**



**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-4847



**Essential Validation Services**

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

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

*Alan Chastain*

Monoterpenes	4.42%
Sesquiterpenes	3.51%
Monoterpenols	4.12%
Sesquiterpenols	0.07%
Ketones	3.35%
Esters	2.18%
Ethers	1.75%
Aldehydes	<b>78.93%</b>
Phenols	0.12%
Other	1.55%

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Total Percentage		98.45%		
Number	RT	Area %	Compound Name	Chemical Family
1	7.72	0.03%	Tricyclene	Monoterpene
2	8.13	0.09%	alpha-Pinene	Monoterpene
3	8.73	0.25%	Camphene	Monoterpene
4	9.68	0.04%	Sabinene	Monoterpene
5	9.84	0.02%	beta-Pinene	Monoterpene
6	10.21	1.59%	6-Methyl-5-hepten-2-one	Aliphatic Ketone
7	10.42	0.10%	Myrcene	Monoterpene
8	11.01	0.10%	Octanal	Aliphatic Aldehyde
9	11.87	0.04%	para-Cymene	Monoterpene
10	12.08	3.53%	Limonene	Monoterpene
11	12.46	0.13%	(Z)-beta-Ocimene	Monoterpene
12	12.91	0.10%	(E)-beta-Ocimene	Monoterpene
13	13.18	0.04%	Bergamal	Aliphatic Aldehyde
14	13.38	0.01%	gamma-Terpinene	Monoterpene
15	13.93	0.01%	cis-Linalool oxide (5) (furanoid)	Monoterpenol
16	14.03	1.57%	4-Nonanone	Aliphatic Ketone
17	14.60	0.03%	Terpinolene	Monoterpene
18	15.24	0.12%	Perillene	Monoterpene Ether
19	15.33	0.82%	Linalool	Monoterpenol
20	15.44	0.17%	alpha-Pinene oxide	Monoterpene Ether
21	15.55	0.03%	Nonanal	Aliphatic Aldehyde
22	16.63	0.02%	Alloocimene	Monoterpene
23	16.97	0.18%	Camphor	Monoterpene Ketone
24	17.30	0.10%	exo-Isocitral	Monoterpene Aldehyde
25	17.46	0.35%	trans-Chrysanthemal	Monoterpene Aldehyde
26	17.71	0.90%	Citronellal	Monoterpene Aldehyde
27	18.15	1.23%	(Z)-isocitral	Monoterpene Aldehyde
28	18.52	0.17%	Rosefuran epoxide	Monoterpene Ether
29	18.85	0.02%	Menthol	Monoterpenol
30	19.02	1.96%	(E)-Isocitral	Monoterpene Aldehyde
31	19.57	0.32%	Isopinocampheol	Monoterpenol
32	20.22	0.18%	Decanal	Aliphatic Aldehyde
33	20.66	0.07%	trans-Carveol	Monoterpenol
34	21.07	0.07%	Nerol	Monoterpenol
35	21.27	0.42%	Citronellol	Monoterpenol

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Number	RT	Area %	Compound Name	Chemical Family
36	21.752	33.27%	Neral	Monoterpenol
37	21.87	0.01%	Carvone	Monoterpene Ketone
38	22.29	2.39%	Geraniol	Monoterpenol
39	23.15	40.61%	Geranial	Monoterpene Aldehyde
40	24.35	0.02%	Geranyl formate	Monoterpene Ester
41	25.35	0.03%	Methyl geranate	Monoterpene Ester
42	26.61	0.16%	Citronellyl acetate	Monoterpene Ester
43	26.99	0.06%	Neryl acetate	Monoterpene Ester
44	27.20	0.03%	alpha-Longipinene	Sesquiterpene
45	27.58	0.03%	alpha-Copaene	Sesquiterpene
46	27.83	1.90%	Geranyl acetate	Monoterpene Ester
47	28.12	0.05%	beta-Cubebene	Sesquiterpene
48	28.20	0.11%	beta-Elemene	Sesquiterpene
49	29.14	0.09%	Dodecanal	Aliphatic Aldehyde
50	29.37	1.64%	beta-Caryophyllene	Sesquiterpene
51	30.04	0.01%	beta-Copaene	Sesquiterpene
52	30.49	0.03%	beta-Barbatene	Sesquiterpene
53	30.58	0.12%	(E)-Isoeugenol	Phenylpropanoid
54	30.84	0.17%	alpha-Humulene	Sesquiterpene
55	31.13	0.02%	beta-Gurjunene	Sesquiterpene
56	31.89	0.12%	Germacrene D	Sesquiterpene
57	32.20	0.02%	beta-Selinene	Sesquiterpene
58	32.97	0.07%	Cuparene	Sesquiterpene
59	33.22	0.99%	gamma-Cadinene	Sesquiterpene
60	33.46	0.09%	beta-Cadinene	Sesquiterpene
61	33.82	0.10%	trans-gamma-Bisabolene	Sesquiterpene
62	34.01	0.03%	beta-Curcumene	Monoterpene
63	34.15	0.03%	alpha-Cadinene	Sesquiterpene
64	34.61	0.07%	Elemol	Sesquiterpenol
65	35.04	0.01%	Geranyl butyrate	Monoterpene Ester
66	35.81	1.20%	Caryophyllene oxide	Sesquiterpene Ether
67	36.87	0.09%	Humulene epoxide II	Sesquiterpene Ether
68	45.24	0.07%	Hexadecanal	Sesquiterpene Aldehyde

