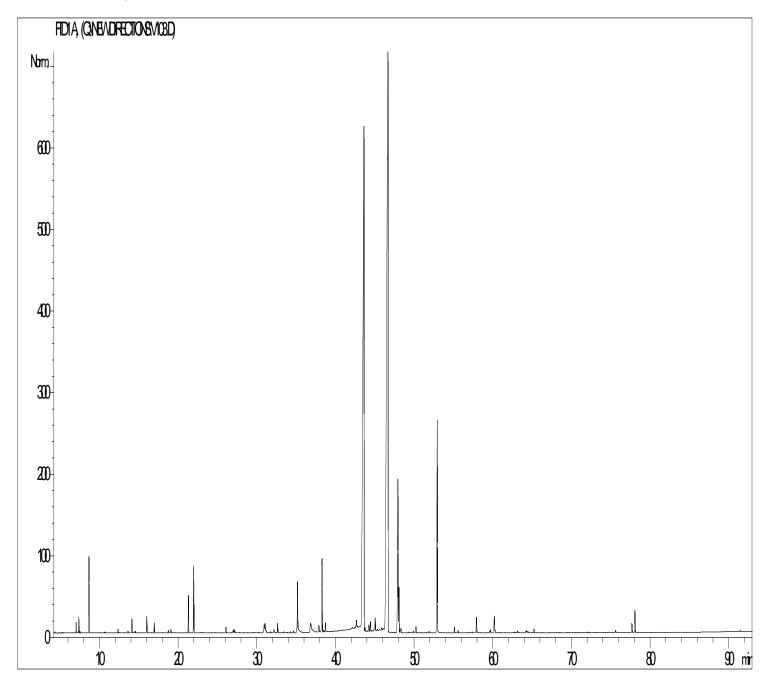


GCMS ANALYSIS

PRODUCT NAME: LEMONGRASS ESSENTIAL OIL

Lot#: 11080A52

DATE: January 3, 2019



It is representative of the quality of this oil produced by the manufacturer of this product. Specific lots may vary slightly as is the case in natural products.





PRODUCT NAME: LEMONGRASS ESSENTIAL OIL

Peak	RT (min)	Compound name	%
1	4,3	ACETONE	0,01
2	4,8	ALIPHATIC ESTER	0,01
3	5,2	BUTANAL,2-METHYL	0,01
4	5,3	ISOVALERALDEHYDE	0,01
5	6,5	BORNYLENE	0,01
6	7,0	TRICYCLENE	0,13
7	7,3	alpha-PINENE	0,19
8	7,5	alpha-THUYENE	0,02
9	7,6	COMPOSE Mw=124	0,01
10	8,6	CAMPHENE	1,07
11	9,1	HEXANAL	0,01
12	10,0	beta-PINENE	0,01
13	10,5	SABINENE	0,01
14	10,6	4-HEPTANONE	0,02
15	12,3	beta-MYRCENE	0,06
16	12,4	alpha-PHELLANDRENE	0,01
17	13,1	alpha-TERPINENE	0,01
18	13,6	2,3-DEHYDRO-1,8-CINEOL	0,03
19	14,1	LIMONENE	0,25
20	14,5	1,8-CINEOLE	0,02
21	14,6	beta-PHELLANDRENE	0,03
22	16,0	Cis-beta-OCIMENE	0,31
23	16,6	gamma-TERPINENE	0,01
24	16,9	Trans-beta-OCIMENE	0,20
25	17,9	p-CYMENE	0,01
26	18,7	TERPINOLENE	0,05
27	19,0	OCTANAL	0,06
28	21,3	4-NONANONE	0,79
29	21,9	5-HEPTEN-2-ONE-6-METHYL	1,44
30	22,9	5-HEPTENAL-2,6-DIMETHYL	0,02

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PRODUCT NAME: LEMONGRASS ESSENTIAL OIL

Peak	RT (min)	Compound name	%
31	24,6	3-HEXEN-1-OL	0,01
32	26,0	ANISALDEHYDE TRIMETHYL	0,12
33	26,8	SESQUITERPENE	0,02
34	27,0	PERILLENE	0,07
35	27,1	COMPOUND Mw=152	0,07
36	27,7	FENCHONE	0,01
37	28,3	LINALOOL-Cis-OXIDE	0,01
38	30,1	alpha-CUBEBENE	0,02
39	30,8	delta-ELEMENE	0,02
40	30,9	CITRONELLAL	0,18
41	31,0	CYCLOSATIVENE	0,23
42	31,1	YLANGENE	0,10
43	31,2	ALIPHATIC ALCOHOL	0,05
44	31,7	alpha-COPAENE	0,03
45	32,1	DECANAL	0,11
46	32,6	ISONERAL	0,23
47	33,3	ALIPHATIC ESTER	0,04
48	33,8	beta-BOURBONENE	0,02
49	34,2	SESQUITERPENE	0,03
50	34,6	SESQUITERPENE	0,06
51	35,1	EPIPHOTOCITRAL A	0,40
52	35,2	LINALOOL	1,09
53	36,8	EPIPHOTOCITRAL B + epsilon-CADINENE	0,76
54	37,8	beta-ELEMENE	0,21
55	38,2	beta-CARYOPHYLLENE	2,16
56	38,4	TERPINENE-4-OL	0,04
57	38,7	6,9-GUAIADIENE	0,22
58	42,4	SESQUITERPENE	0,06
59	42,6	alpha-HUMULENE	0,27
60	43,6	NERAL	31,08

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PRODUCT NAME: LEMONGRASS ESSENTIAL OIL

Peak	RT (min)	Compound name	%
61	43,7	gamma-MUUROLENE	0,08
62	44,2	alpha-TERPINEOL	0,17
63	44,4	BORNEOL	0,26
64	45,0	GERMACRENE D	0,42
65	45,3	SESQUITERPENE	0,04
66	45,8	PIPERITONE	0,04
67	46,6	GERANIAL	41,75
68	47,9	GERANYL ACETATE	4,36
69	48,0	delta-CADINENE + gamma-CADINENE	1,16
70	48,3	CITRONELLOL	0,15
71	49,3	CADINA-1,4-DIENE	0,03
72	49,9	alpha-AMORPHENE	0,04
73	50,2	NEROL	0,15
74	51,5	CALAMENENE	0,02
75	51,9	GERMACRENE B	0,04
76	52,9	GERANIOL	6,13
77	55,1	Epi-CUBEBOL	0,13
79	55,5	GERANYL BUTYRATE	0,06
79	57,3	ALIPHATIC ESTER	0,03
80	57,9	CUBEBOL	0,39
81	59,5	SESQUITERPENOL	0,03
82	59,6	ISOCARYOPHYLLENE EPOXIDE	0,08
83	60,2	CARYOPHYLLENE EPOXIDE	0,55
84	62,7	SESQUITERPENOL	0,02
85	63,1	EPOXY-6,7-HUMULENE	0,05
86	63,3	NEROLIDOL	0,03
87	64,1	Epi-CUBENOL	0,03
88	64,3	CUBENOL	0,07
89	64,4	COMPOUND Mw=150	0,04
90	64,9	SESQUITERPENOL	0,01

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PRODUCT NAME: LEMONGRASS ESSENTIAL OIL

Peak	RT (min)	Compound name	%
91	65,2	ELEMOL	0,10
92	72,1	SESQUITERPENOL	0,02
93	74,6	FARNESAL	0,03
94	75,6	NERIC ACID	0,05
95	77,6	GERANIC ACID	0,24
96	78,0	ISOEUGENOL	0,61
97	79,3	AROMATIC COMPOUND	0,01
98	91,4	AROMATIC COMPOUND	0,03
		TOTAL	99,94

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