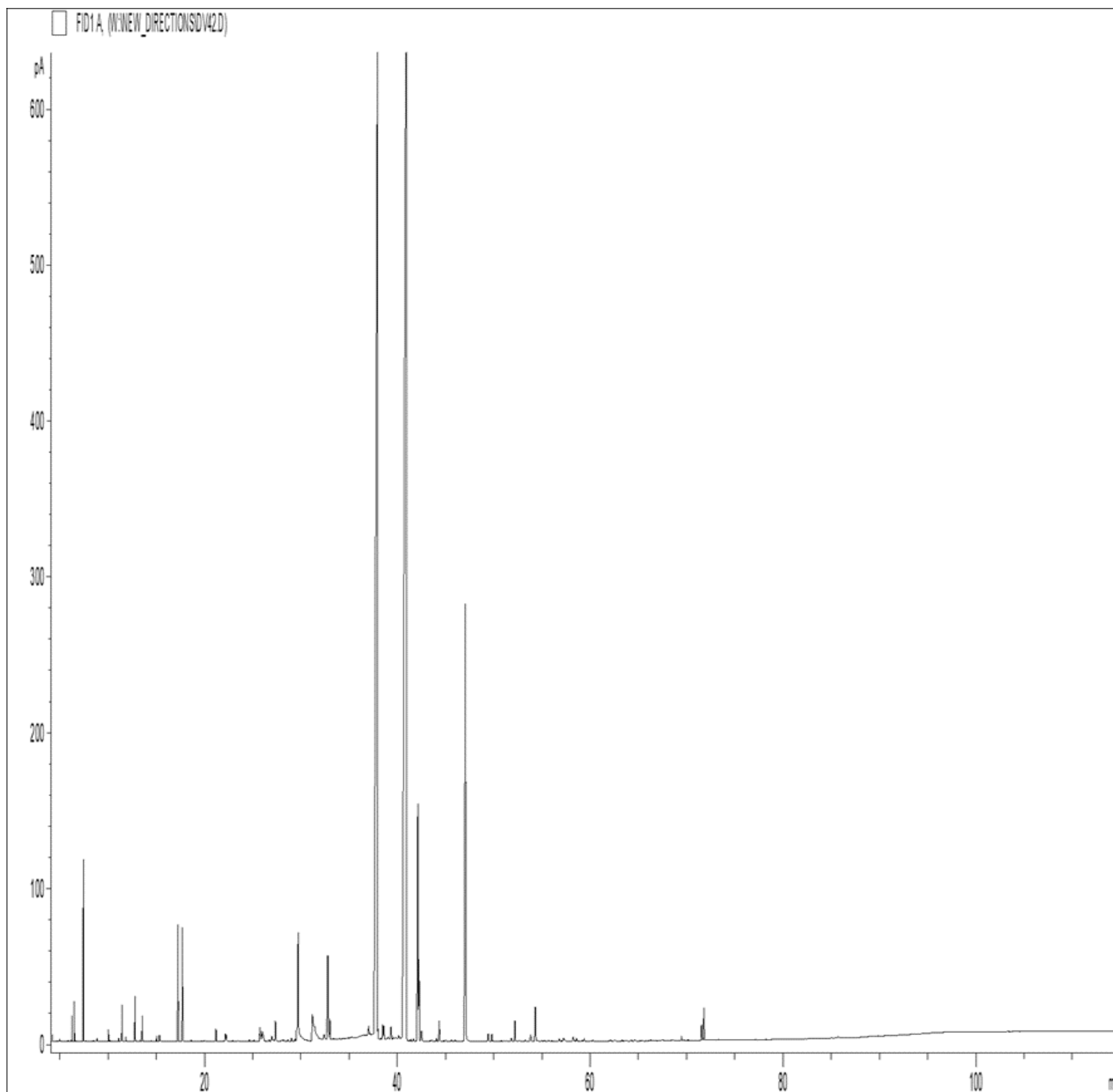


GCMS ANALYSIS

PRODUCT NAME: LEMONGRASS ESSENTIAL OIL - 11080

DATE: February 16, 2021



Due to volume turnover, this report is not lot specific, 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,

GCMS ANALYSIS (cont'd,)

PRODUCT NAME: LEMONGRASS ESSENTIAL OIL - 11080

Peak	RT (min)	Compound name	%
1	6,25	TRICYCLENE	0,12
2	6,50	alpha-PINENE	0,20
3	7,43	CAMPHENE	0,98
4	8,81	SABINENE	0,01
5	8,87	4-HEPTANONE	0,02
6	10,04	beta-MYRCENE	0,08
7	11,11	1,8-CINEOLE, 2,3-DEHYDRO-	0,03
8	11,45	LIMONENE	0,28
9	11,85	beta-PHELLANDRENE	0,04
10	12,81	cis-beta-OCIMENE	0,34
11	13,36	gamma-TERPINENE	0,01
12	13,56	trans-beta-OCIMENE	0,20
13	15,06	TERPINOLENE	0,05
14	15,34	OCTANAL	0,05
15	17,27	4-NONANONE	1,08
16	17,72	5-HEPTEN-2-ONE, 6-METHYL-	1,04
17	18,61	HEXENYLIC ESTER	0,02
18	20,01	ALLO-OCIMENE	0,01
19	20,85	3-HEXEN-1-OL	0,01
20	21,18	ROSEFURAN	0,13
21	22,16	PERILLENE	0,08
22	22,26	PHOTOCITRAL ISOMER	0,08
23	22,93	COMPOUND Mw=152	0,01
24	23,48	LINALOOL cis-OXIDE	0,01
25	24,63	SESQUITERPENE	0,02
26	25,14	LINALOOL trans-OXIDE	0,01
27	25,74	ISOGERANIAL	0,18
28	25,90	CITRONELLAL	0,13
29	26,05	ISOLEDENE	0,15
30	26,11	YLANGENE	0,06

Disclaimer & Caution

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GCMS ANALYSIS (cont'd,)

PRODUCT NAME: LEMONGRASS ESSENTIAL OIL - 11080

Peak	RT (min)	Compound name	%
31	26,68	alpha-COPAENE	0,02
32	26,97	DECANAL	0,12
33	27,36	ISONERAL	0,26
34	27,71	CAMPHOR	0,01
35	28,01	COMPOUND Mw=138	0,03
36	28,19	beta-BOURBONENE	0,03
37	28,66	SATIVENE	0,03
38	29,02	4-UNDECANONE	0,04
39	29,38	COMPOUND Mw=154	0,03
40	29,46	PHOTOCITRAL A	0,87
41	29,72	LINALOOL	1,09
42	31,18	PHOTOCITRAL B	1,09
43	31,20	epsilon-CADINENE	0,10
44	32,40	beta-ELEMENE	0,11
45	32,79	beta-CARYOPHYLLENE	1,29
46	32,99	COMPOUND Mw=166	0,26
47	33,37	TERPINENE-4-OL	0,02
48	34,40	6,9-GUAIADIENE	0,01
49	34,86	CADINA-3,5-DIENE	0,01
50	35,29	GERMACRENE A	0,01
51	36,34	ISOBORNEOL	0,01
52	36,52	SESQUITERPENE	0,02
53	37,04	alpha-HUMULENE	0,14
54	37,22	cis-4,5-MUUROLADIENE	0,02
55	37,93	NERAL	32,99
56	38,00	gamma-MUUROLENE	0,04
57	38,49	alpha-TERPINEOL	0,18
58	38,62	BORNEOL	0,15
59	39,06	GERANYL FORMIATE	0,03
60	39,35	GERMACRENE D	0,18

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GCMS ANALYSIS (cont'd,)

PRODUCT NAME: LEMONGRASS ESSENTIAL OIL - 11080

Peak	RT (min)	Compound name	%
61	39,64	CADINENE ISOMER	0,01
62	39,84	PIPERITONE	0,02
63	40,14	alpha-MUUROLENE	0,04
64	40,93	GERANIAL	41,76
65	41,39	trans-PIPERITOL	0,03
66	41,66	trans-ISOPIPERITENOL	0,03
67	42,12	GERANYL ACETATE	3,28
68	42,24	gamma-CADINENE	0,94
69	42,50	delta-CADINENE	0,17
70	43,38	SESQUITERPENE	0,01
71	43,57	SESQUITERPENE	0,02
72	44,05	CITRONELLOL	0,04
73	44,35	NEROL	0,24
74	44,82	SESQUITERPENE	0,01
75	45,01	trans-ISOGERANIOL	0,01
76	45,61	GERMACRENE B	0,02
77	45,99	CALAMENENE	0,02
78	47,06	GERANIOL	6,57
79	49,40	epi-CUBEBOL	0,09
80	49,81	GERANYL BUTYRATE	0,08
81	51,82	PHYTYL COMPOUND	0,03
82	52,19	CUBEBOL	0,26
83	52,65	KETONIC COMPOUND	0,01
84	53,82	ISOCARYOPHYLLENE EPOXIDE	0,10
85	54,31	CARYOPHYLLENE EPOXIDE	0,49
86	56,79	ALIPHATIC ALCOHOL	0,03
87	57,23	epoxy-6,7-HUMULENE	0,05
88	57,36	SESQUITERPENIC EPOXIDE	0,01
89	58,22	KETONIC COMPOUND + epi-CUBENOL	0,08
90	58,59	CUBENOL	0,04

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GCMS ANALYSIS (cont'd,)

PRODUCT NAME: LEMONGRASS ESSENTIAL OIL - 11080

Peak	RT (min)	Compound name	%
91	59,10	SESQUITERPENOL	0,01
92	59,37	ELEMOL	0,04
93	62,09	PENTADECANONE, TRIMETHYL-	0,01
94	62,56	SESQUITERPENIC EPOXIDE	0,02
95	63,28	EUGENOL	0,01
96	64,25	AGAROSPIROL + 4-VINYL GUAIACOL	0,01
97	64,64	alpha-MUUROLOL	0,02
98	66,28	SESQUITERPENOL	0,02
99	68,65	SESQUITERPENIC EPOXIDE	0,01
100	69,48	NERIC ACID	0,06
101	69,74	ALIPHATIC ESTER	0,01
102	71,56	GERANIC ACID	0,20
103	71,79	ISOEUGENOL	0,41
104	73,32	SESQUITERPENIC EPOXIDE	0,01
105	85,74	AROMATIC COMPOUND	0,02
		TOTAL	100,00

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