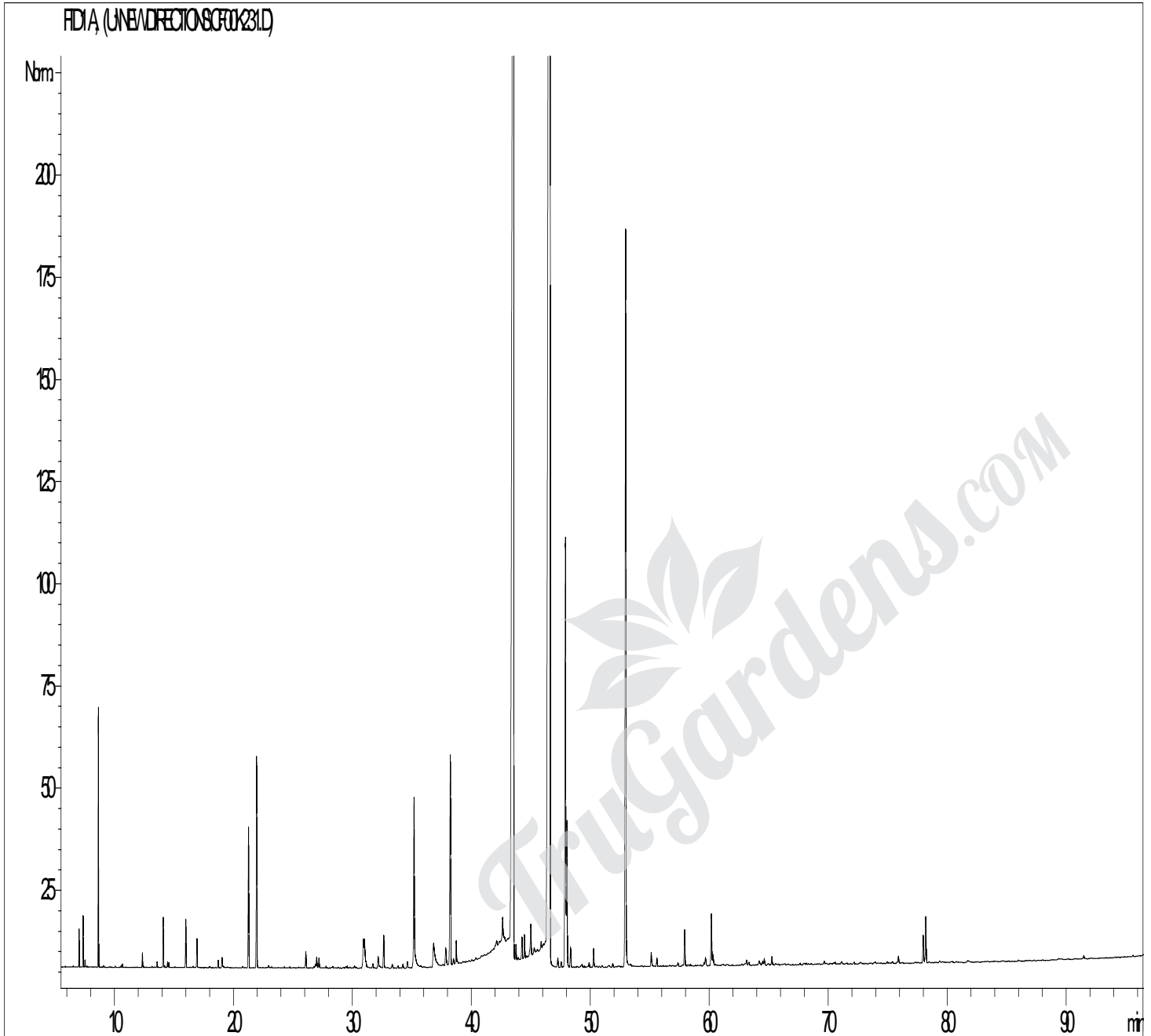


GCMS ANALYSIS

PRODUCT NAME: LEMONGRASS ESSENTIAL OIL - 11080

DATE: February 2, 2017



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	4,4	ACETONE	0,04
2	5,2	BUTANAL-2-METHYL	0,01
3	5,3	ISOVALERALDEHYDE	0,01
4	5,4	ETHANOL	0,01
5	5,8	2-ETHYL FURAN	0,01
6	6,5	DIMETHYL HEPTADIENE ISOMER	0,01
7	7,0	TRICYCLENE	0,14
8	7,3	α -PINENE	0,19
9	7,5	PRENOL	0,03
10	7,6	COMPOUND Mw=124	0,01
11	8,6	CAMPHENE	1,08
12	9,0	HEXANAL	0,01
13	10,0	β -PINENE	0,01
14	10,5	SABINENE	0,01
15	10,6	4-HEPTANONE	0,02
16	12,3	β -MYRCENE	0,07
17	12,4	α -PHELLANDRENE	0,01
18	13,6	2,3-DEHYDRO-1,8-CINEOLE	0,03
19	14,1	LIMONENE	0,27
20	14,2	ISOAMYL ALCOHOL	0,01
21	14,4	1,8-CINEOLE	0,03
22	14,5	β -PHELLANDRENE	0,03
23	16,0	Cis- β -OCIMENE	0,26
24	16,5	γ -TERPINENE	0,02
25	16,9	Trans- β -OCIMENE	0,18
26	17,9	p-CYMENE	0,02
27	18,7	TERPINOLENE	0,04
28	19,0	OCTANAL	0,06
29	20,7	2-BUTEN-1-OL-3-METHYL	0,02
30	21,2	4-NONANONE	0,88
31	21,9	5-HEPTEN-2-ONE-6-METHYL	1,31
32	22,9	5-HEPTENAL-2,6-DIMETHYL	0,02

Disclaimer & Caution

Please refer to the Material Safety Data Sheet (MSDS) and all other relevant technical information specific to the product, prior to use. The user of this product is solely responsible for determining the suitability of the product for their particular use and to be in compliance with all laws and regulations applying to the use of this product. TruGardens shall not be held responsible for any damages or for any adverse physical effects (including injury or bodily harm) caused by insufficient knowledge, wrongful application or the improper handling or use of this product. As the ordinary or otherwise use(s) of this product is outside the control of TruGardens., no representation or warranty, expressed or implied is made as to the effect(s) of such use(s) (including damage or injury), or the results obtained. The information on the TruGardens. website is obtained from current and reliable sources but makes no representation as to its comprehensiveness or accuracy. The liability of TruGardens. is limited to the value of the goods and does not include any consequential loss. TruGardens. shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon.

GCMS ANALYSIS (cont'd.)

PRODUCT NAME: LEMONGRASS ESSENTIAL OIL - 11080

Peak	RT (min)	Compound name	%
33	26,0	GALBANOLENE	0,10
34	27,0	CITRAL ISOMER	0,08
35	27,1	PERILLENE	0,07
36	29,5	α -CUBEBENE	0,02
37	29,8	5-HEPTEN-2-OL, 6-METHYL-	0,02
38	30,1	LINALOOL-Cis-OXIDE	0,02
39	30,9	CITRONELLAL	0,30
40	31,0	CYCLOSATIVENE	0,22
41	31,1	YLANGENE	0,05
42	31,7	α -COPAENE	0,03
43	32,1	DECANAL	0,10
44	32,6	ISONERAL	0,23
45	33,3	β -BOURBONENE	0,03
46	33,8	SESQUITERPENE	0,02
47	34,2	4-UNDECANONE	0,03
48	34,6	SESQUITERPENE	0,06
49	35,1	LINALOOL	1,12
50	35,2	EPIPHOTOCITRAL A	0,37
51	36,8	EPIPHOTOCITRAL B + ISOPULEGOL	0,47
52	37,8	β -ELEMENE	0,17
53	38,2	β-CARYOPHYLLENE	1,77
54	38,5	TERPINENE-4-OL	0,07
55	38,7	METHYL OCTADIENE DIOL ISOMER	0,21
56	40,4	SESQUITERPENE	0,04
57	42,1	ZONARENE	0,06
58	42,6	α -HUMULENE	0,21
59	43,5	NERAL	33,16
60	43,7	TERPENIC EPOXIDE	0,24
61	44,2	α -TERPINEOL	0,33
62	44,4	BORNEOL	0,37
63	45,0	GERMACRENE D	0,30
64	45,3	FARNESENE ISOMER	0,07

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: LEMONGRASS ESSENTIAL OIL - 11080

Peak	RT (min)	Compound name	%
65	45,8	PIPERITONE	0,07
66	46,6	GERANIAL	41,12
67	47,3	cis-PIPERITOL	0,08
68	47,5	Trans-ISOPIPERITENOL	0,04
69	47,9	GERANYL ACETATE	3,52
70	48,0	γ -CADINENE	1,10
71	48,3	CITRONELLOL	0,16
72	49,3	CADINA-1,4-DIENE	0,05
73	49,9	α -AMORPHENE	0,06
74	50,3	NEROL	0,15
75	51,8	GERMACRENE B	0,03
76	52,9	GERANIOL	6,18
77	53,3	p-CYMENE-8-OL	0,05
79	55,1	Epi-CUBEBOL	0,13
79	55,6	GERANYL BUTYRATE	0,07
80	57,3	PHYTYL COMPOUND	0,05
81	57,9	CUBEBOL	0,29
82	59,5	SESQUITERPENOL	0,04
83	59,6	ISOCARYOPHYLLENE EPOXIDE	0,09
84	60,1	CARYOPHYLLENE EPOXIDE	0,45
85	60,3	GERANYL ACETATE, 2,3-EPOXY ISOMER	0,11
86	63,1	EPOXY-6,7-HUMULENE	0,08
87	64,6	CUBEBOL	0,06
88	65,3	ELEMOL	0,09
89	69,7	EUGENOL	0,02
90	75,9	FARNESOL	0,07
91	77,9	GERANIC ACID	0,24
92	78,2	ISOEUGENOL	0,40
		TOTAL	99,99

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