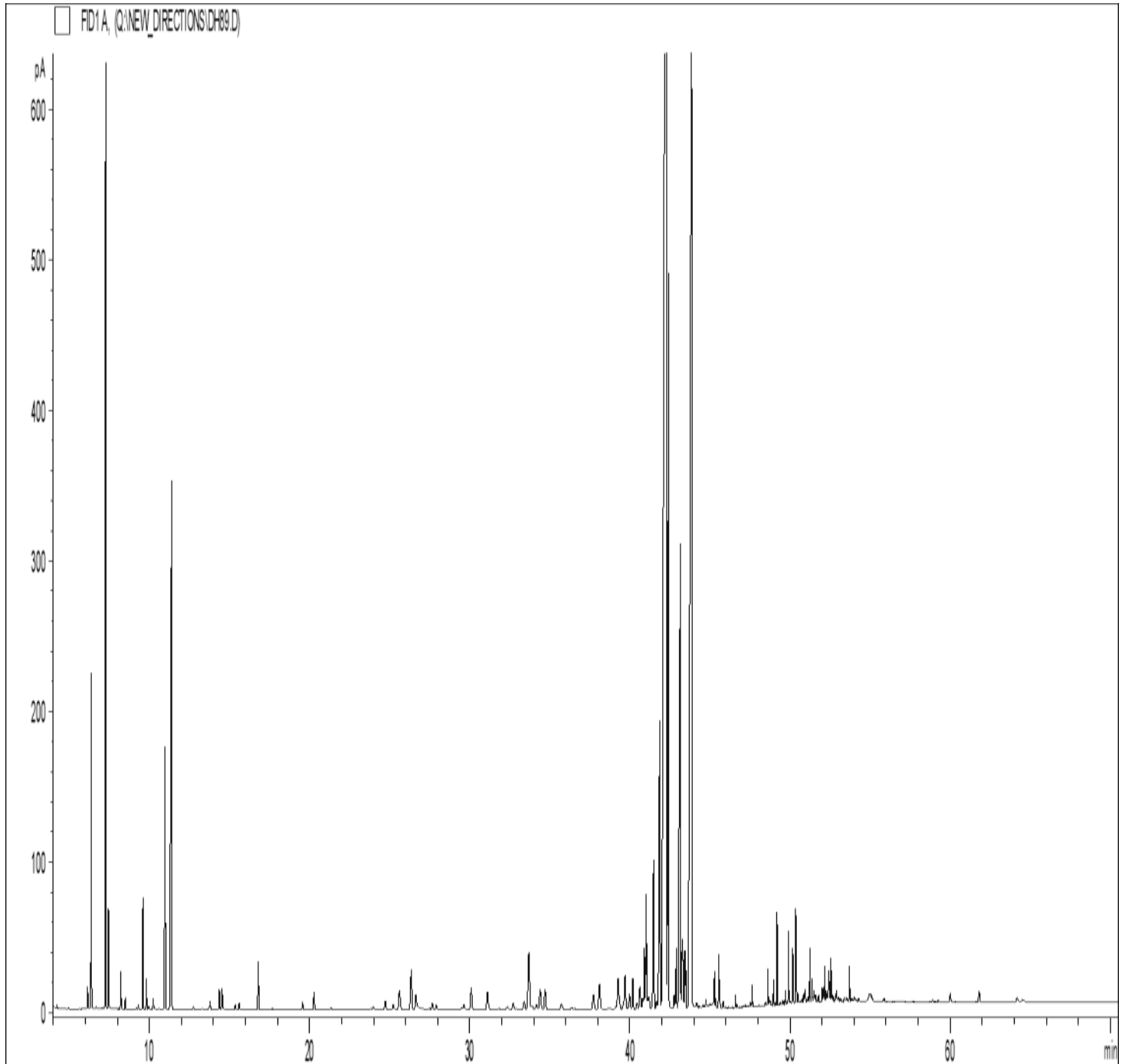


GCMS ANALYSIS

PRODUCT NAME: GINGER ORGANIC ESSENTIAL OIL - 50012
DATE: December 04,2020



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

PRODUCT NAME: GINGER ORGANIC ESSENTIAL OIL - 50012

Peak	RT (min)	Compound	%
1	6,14	TRICYCLENE	0,10
2	6,36	alpha-PINENE	1,63
3	6,66	TOLUENE	0,01
4	7,26	CAMPHENE	5,08
5	7,43	HEXANAL	0,52
6	8,21	beta-PINENE	0,21
7	8,49	SABINENE	0,06
8	9,31	delta3-CARENE	0,02
9	9,59	beta-MYRCENE	0,65
10	9,80	alpha-PHELLANDRENE	0,18
11	9,95	psi-LIMONENE	0,02
12	10,22	2-HEPTANONE	0,07
13	10,97	LIMONENE	1,80
14	11,38	1,8-CINEOLE	5,24
15		beta-PHELLANDRENE	
16	12,74	gamma-TERPINENE	0,02
17	13,71	BORNYL METHYL ETHER	0,02
18	13,79	p-CYMENE	0,06
19	14,36	TERPINOLENE	0,14
20	14,53	OCTANAL	0,16
21	15,36	4,8-DIMETHYL-1,3,7-NONATRIENE	0,04
22	15,60	2-HEPTANOL	0,05
23	16,79	6-METHYL-5-HEPTEN-2-ONE	0,37
24	19,56	2-NONANONE	0,06
25	20,27	ROSEFURAN	0,15
26	21,33	PERILLENE	0,02
27	23,97	alpha-CUBEBENE	0,04
28	24,72	delta-ELEMENE	0,10
29	25,22	CITRONELLAL	0,06
30	25,60	CYCLOSATIVENE	0,28

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Peak	RT (min)	Compound	%
31	26,34	alpha-COPAENE	0,50
32	26,64	DECANAL	0,26
33	27,66	CAMPHRE	0,08
34	27,90	2-NONANOL	0,05
35	29,51	SESQUITERPENE	0,02
36	29,64	beta1-CUBEBENE	0,07
37	30,09	LINALOOL	0,28
38	31,10	alpha-cis-BERGAMOTENE	0,26
39	32,33	BORNYL FORMIATE	0,04
40	32,70	BORNYL ACETATE	0,10
41	33,40	alpha-trans-BERGAMOTENE	0,12
42	33,69	beta-ELEMENE	0,85
43	33,90	beta-CARYOPHYLLENE	0,05
44	34,16	TERPINENE-4-OL	0,08
45	34,40	COMPOUND Mw=166	0,30
46	34,71	2-UNDECANONE	0,27
47	35,73	GURJUNENE ISOMER	0,10
48	36,37	SESQUITERPENE	0,03
49	36,54	MYRTENAL	0,02
50	37,73	GERMACRENE A	0,24
51	38,10	ALLO-AROMADENDRENE	0,40
52	38,76	SESQUITERPENE	0,02
53	39,13	FARNESENE ISOMER	0,03
54	39,27	CITRONELLYL ACETATE	0,47
55	39,59	alpha-HUMULENE	0,04
56	39,70	gamma-SELINENE	0,44
57	39,99	E-beta-FARNESENE	0,19
58	40,19	NERAL	0,25
59	40,45	Z-beta-FARNESENE	0,08
60	40,63	gamma-MUUROLENE	0,29

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Peak	RT (min)	Compound	%
61	40,81	SESQUITERPENE	0,12
62	40,91	gamma-CURCUMENE	0,46
63	41,02	alpha-TERPINEOL	0,96
64	41,18	SESQUITERPENE	0,20
65	41,49	BORNEOL	1,48
66	41,67	beta-HIMACHALENE	0,09
67	41,87	GERMACRENE D	3,17
68	42,19	alpha-ZINGIBERENE	30,39
69	42,20	GERANIAL	0,41
70	42,43	beta-BISABOLENE	6,76
71	42,77	beta-SELINENE	0,09
72	42,90	7-epi-alpha-SELINENE	0,48
73	43,15	E,E-alpha-FARNESENE	5,50
74	43,29	SESQUITERPENE	0,35
75	43,29	SESQUITERPENE	0,41
76	43,32	SESQUITERPENE	0,22
77	43,44	Z,E-alpha-FARNESENE	0,38
78	43,50	delta-CADINENE	0,21
79	43,84	beta-SESQUIPELLANDRENE	12,54
80	43,89	alpha-CURCUMENE	6,65
81	44,17	MYRTENOL	0,03
82	44,76	NEROL	0,05
83	45,08	SESQUITERPENE	0,04
84	45,29	CALAMENENE	0,35
85	45,37	SESQUITERPENE	0,05
86	45,56	GERANIOL	0,35
87	45,83	E-GERANYL ACETONE	0,05
88	46,60	Epi-CUBEBOL	0,06
89	46,68	SESQUITERPENONE	0,02
90	47,52	alpha-CALACORENE	0,02

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Peak	RT (min)	Compound	%
91	47,53	SESQUITERPENE	0,01
92	47,64	CUBEBOL	0,10
93	48,45	beta-CALACORENE	0,01
94	48,49	SESQUITERPENOL	0,02
95	48,51	SESQUITERPENOL	0,01
96	48,63	SESQUITERPENOL	0,17
97	48,69	SESQUITERPENOL	0,02
98	48,74	SESQUITERPENOL	0,02
99	48,78	AROMATIC COMPOUND	0,03
100	48,98	AROMATIC COMPOUND	0,13
101	49,09	SESQUITERPENOL	0,03
102	49,19	NEROLIDOL	0,41
103	49,36	SESQUITERPENOL	0,02
104	49,41	SESQUITERPENOL	0,02
105	49,56	SESQUITERPENOL	0,03
106	49,60	SESQUITERPENOL	0,02
107	49,71	DITERPENE	0,08
108	49,91	ELEMOL	0,39
109	50,17	SESQUITERPENOL	0,30
110	50,36	beta-SESQUIPELLANDROL	0,52
111	50,51	EUDESMOL ISOMERE	0,05
112	50,75	SESQUITERPENOL	0,02
113	50,86	SESQUITERPENOL	0,04
114	50,93	SESQUITERPENOL	0,10
115	51,12	SESQUITERPENOL	0,03
116	51,25	SESQUIPELLANDROL ISOMER	0,29
117	51,33	SESQUITERPENOL	0,02
118	51,38	gamma-EUDESMOL	0,14
119	51,49	SESQUITERPENOL	0,10
120	51,60	SESQUITERPENONE	0,04

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Peak	RT (min)	Compound	%
121	51,79	DITERPENE	0,06
122	52,02	alpha-EUDESOL	0,10
123	52,10	SESQUITERPENOL	0,06
124	52,17	beta-EUDESOL	0,20
125	52,25	SESQUITERPENOL	0,06
126	52,35	SESQUITERPENOL	0,06
127	52,43	SESQUITERPENOL	0,24
128	52,56	SESQUITERPENIC EPOXIDE	0,20
129	52,65	SESQUITERPENOL	0,06
130	52,72	SESQUITERPENOL	0,03
131	52,89	SESQUITERPENOL	0,06
132	53,03	SESQUITERPENOL	0,05
133	53,16	SESQUITERPENONE	0,04
134	53,40	SESQUITERPENOL	0,03
135	53,72	ZINGIBERENOL	0,20
136	53,84	SESQUITERPENIC EPOXIDE	0,02
137	53,92	SESQUITERPENIC EPOXIDE	0,02
138	54,02	SESQUITERPENOL	0,03
139	54,30	SESQUITERPENIC EPOXIDE	0,02
140	58,92	SESQUITERPENOL	0,02
141	59,27	SESQUITERPENIC EPOXIDE	0,02
142	60,02	ACORENONE	0,08
143	61,81	ZINGIBERONE	0,11
144	64,18	PALMITIC ACID	0,07
		TOTAL	99,98

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