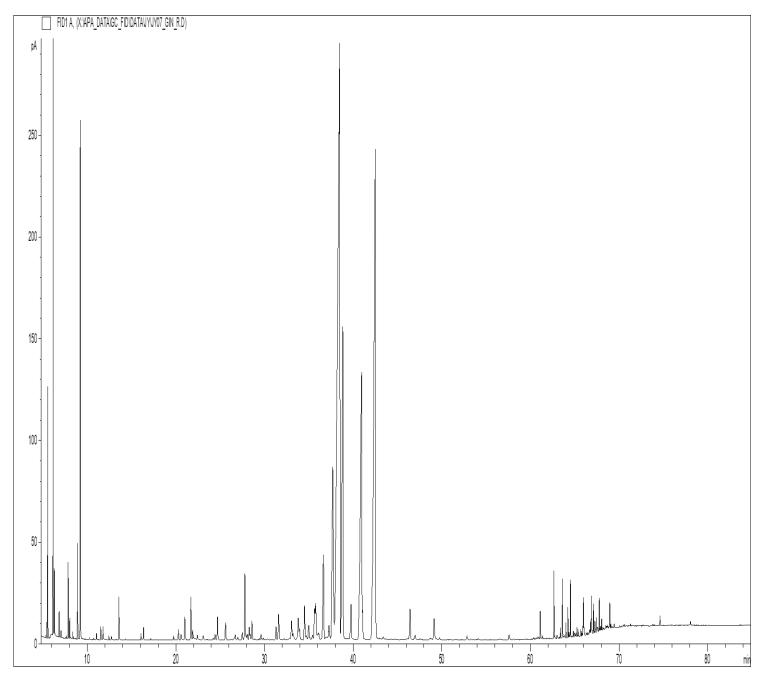


GCMS ANALYSIS

PRODUCT NAME: GINGER ORGANIC ESSENTIAL OIL - 50012

DATE: October 20, 2023



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,





PRODUCT NAME: GINGER ORGANIC ESSENTIAL OIL - 50012

Peak	RT (min)	Compound	%
1	5.39	TRICYCLENE	0.08
2	5.55	alpha-PINENE	1.26
3	6.15	CAMPHENE	3.72
4	6.29	HEXANAL	0.41
5	6.84	beta-PINENE	0.15
6	7.05	SABINENE	0.04
7	7.66	delta3-CARENE	0.02
8	7.85	beta-MYRCENE	0.47
9	8.03	alpha-PHELLANDRENE	0.14
10	8.12	psi-LIMONENE	0.02
11	8.37	2-HEPTANONE	0.05
12		alpha-TERPINENE	
13	8.91	LIMONENE	0.67
14	9.21	1,8-CINEOLE	1.53
15	9.30	beta-PHELLANDRENE	2.22
16	10.26	gamma-TERPINENE	0.01
17	11.05	p-CYMENE	0.05
18	11.52	TERPINOLENE	0.11
19	11.78	OCTANAL	0.12
20	12.44	1,3,7-NONATRIENE, 4,8-DIMETHYL-	0.03
21	12.72	2-HEPTANOL	0.04
22	13.57	5-HEPTEN-2-ONE, 6-METHYL-	0.38
23	16.06	2-NONANONE	0.06
24	16.35	ROSEFURAN	0.12
25	17.18	PERILLENE	0.01
26	19.74	alpha-CUBEBENE	0.04
27	20.29	delta-ELEMENE	0.12
28	20.58	SESQUITERPENE	0.06
29	21.00	ISOLEDENE	0.19
30	21.02	CITRONELLAL	0.10

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PRODUCT NAME: GINGER ORGANIC ESSENTIAL OIL - 50012

Peak	RT (min)	Compound	%
31	21.11	YLANGENE	0.01
32	21.70	alpha-COPAENE	0.55
33	21.90	DECANAL	0.19
34	22.42	CAMPHOR	0.08
35	23.09	2-NONANOL	0.07
36	24.23	SESQUITERPENE	0.03
37	24.43	beta1-CUBEBENE	0.08
38	24.71	LINALOOL	0.29
39	25.61	alpha-cis-BERGAMOTENE	0.25
40	26.25	TERPENIC COMPOUND	0.02
41	26.50	SESQUITERPENE	0.03
42	26.70	BORNYL ACETATE	0.08
43	26.98	FENCHOL	0.04
44	27.50	alpha-trans-BERGAMOTENE	0.12
45	27.79	beta-ELEMENE	1.01
46	28.06	CAMPHENE HYDRATE	0.09
47	28.28	COMPOUND Mw=166	0.18
48	28.39	beta-CARYOPHYLLENE	0.08
49	28.59	2-UNDECANONE	0.28
50	28.91	SESQUITERPENE	0.02
51	29.42	SESQUITERPENE	0.01
52	29.62	GURJUNENE ISOMER	0.09
53	29.88	MYRTENAL	0.03
54	30.31	SESQUITERPENE	0.01
55	31.31	GERMACRENE A	0.21
56	31.60	ALLO-AROMADENDRENE	0.47
57	32.24	SESQUITERPENE	0.02
58	32.82	GURJUNENE ISOMER	0.04
59	33.05	FARNESENE ISOMER	0.36
60	33.23	CITRONELLYL ACETATE	0.11

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PRODUCT NAME: GINGER ORGANIC ESSENTIAL OIL - 50012

Peak	RT (min)	Compound	%
61	33.25	alpha-HUMULENE	0.03
62	33.82	E-beta-FARNESENE	0.43
63	33.95	gamma-SELINENE	0.19
64	34.53	NERAL	0.57
65	34.73	Z-beta-FARNESENE	0.08
66	35.00	gamma-MUUROLENE	0.32
67	35.43	gamma-CURCUMENE	0.09
68	35.66	alpha-TERPINEOL	0.48
69	35.78	BORNEOL	0.86
70	36.00	SESQUITERPENE	0.06
71	36.11	ARISTOLOCHENE ISOMER	0.17
72	36.66	GERMACRENE D	1.80
73	36.94	SESQUITERPENE	0.06
74	37.08	SESQUITERPENE	0.04
75	37.28	SESQUITERPENE	0.35
76	37.71	SESQUITERPENE	5.04
77	38.50	alpha-ZINGIBERENE	29.96
78	38.85	beta-BISABOLENE	6.22
79	38.85	GERANIAL	0.96
80	39.78	SESQUITERPENE	0.68
81		beta-CURCUMENE	
82	40.97	E,E-alpha-FARNESENE	8.29
83	41.04	GERANYL ACETATE	0.35
84	41.05	delta-CADINENE	0.02
85		gamma-CADINENE	
86	41.08	7-epi-alpha-SELINENE	0.37
87	41.10	CITRONELLOL	0.37
88	42.51	beta-SESQUIPHELLANDRENE	11.58
89	42.56	alpha-CURCUMENE	6.85
90	42.78	SESQUITERPENE	0.03

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Peak	RT (min)	Compound	%
91	42.97	CADINA-1,4-DIENE	0.03
92	43.40	MYRTENOL	0.03
93	43.40	alpha-AMORPHENE	0.07
93	46.08	COMPOUND Mw=220	0.01
95	46.43	GERMACRENE B	0.61
96	47.00	cis-CALAMENENE	0.01
96	47.59	trans-CALAMENENE	0.12
98	49.14	GERANIOL	0.46
99	49.74	E-GERANYL ACETONE	0.46
100	52.86	Epi-CUBEBOL	0.04
100	53.28	SESQUITERPENIC COMPOUND	0.07
101	54.15	alpha-CALACORENE	0.02
102	56.55	SESQUITERPENOL	0.02
103	57.62	CUBEBOL	0.02
105	59.41	beta-CALACORENE	0.10
106	60.39	COMPOUND Mw=200	0.02
107	60.65	TERPENIC COMPOUND	0.02
108	60.82	IONONE ISOMER	0.02
109	60.93	SESQUITERPENOL	0.02
110	61.12	7-epi-SESQUISABINENE HYDRATE	0.05
111	61.15	AROMATIC COMPOUND	0.13
112	61.37	TERPENIC COMPOUND	0.04
113	62.67	NEROLIDOL	0.50
114	63.02	CAPRYLIC ACID	0.06
115	63.29	Epi-CUBENOL	0.00
116	63.41	SESQUITERPENOL	0.01
117	63.63	ELEMOL	0.43
118	63.78	COMPOUND Mw=218	0.43
119	63.85	AROMATIC COMPOUND	0.02
120	64.02	COMPOUND Mw=222	0.03
120	04.02	OOIVII OOIND IVIW-ZZZ	0.13

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PRODUCT NAME: GINGER ORGANIC ESSENTIAL OIL - 50012

Peak	RT (min)	Compound	%
121	64.25	10-epi-gamma-EUDESMOL	0.20
122	64.37	SESQUITERPENOL	0.04
123	64.52	beta-SESQUIPHELLANDROL	0.40
124	64.68	COMPOUND Mw=220	0.02
125	64.86	SESQUITERPENOL	0.06
126	65.01	SESQUITERPENOL	0.05
127	65.10	SESQUITERPENOL	0.03
128	65.26	SESQUITERPENOL	0.07
129	65.38	beta-BISABOLOL	0.07
130	65.70	gamma-EUDESMOL	0.08
131	65.82	T-CADINOL	0.04
132	65.94	HINESOL	0.07
133	66.00	SESQUIPHELLANDROL ISOMER	0.31
134	66.08	alpha-MUUROLOL	0.06
135	66.33	4-VINYL-GUAIACOL	0.01
136	66.49	AROMATIC COMPOUND	0.02
137	66.67	SESQUITERPENOL	0.03
138	66.72	alpha-BISABOLOL	0.03
139	66.77	alpha-EUDESMOL	0.09
140	66.88	beta-EUDESMOL	0.34
141	66.97	SESQUITERPENOL	0.03
142	67.15	SESQUITERPENIC OXIDE	0.19
143	67.29	SESQUITERPENOL	0.08
144	67.34	SESQUITERPENIC COMPOUND	0.04
145	67.49	SESQUITERPENIC COMPOUND	0.10
146	67.59	AROMATIC COMPOUND	0.04
147	67.78	SESQUITERPENIC COMPOUND	0.20
148	67.88	AROMATIC COMPOUND	0.02
149	67.93	SESQUITERPENIC COMPOUND	0.04
150	68.06	GERANYL-p-CYMENE	0.09

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PRODUCT NAME: GINGER ORGANIC ESSENTIAL OIL - 50012

Peak	RT (min)	Compound	%
151	68.18	AROMATIC COMPOUND	0.02
152	68.51	GERANIC ACID	0.02
153	68.60	AROMATIC COMPOUND	0.02
154	68.69	ISOEUGENOL	0.02
155	68.97	ZINGIBERENOL	0.16
156	69.09	AROMATIC COMPOUND	0.03
157	69.24	COMPOUND Mw=220	0.02
158	69.47	COMPOUND Mw=218	0.03
159	70.10	COMPOUND Mw=220	0.01
160	70.50	TERPENIC ALCOHOL	0.01
161	70.64	LAURIC ACID	0.02
162	71.30	SESQUITERPENIC COMPOUND	0.01
163	73.81	SESQUITERPENIC COMPOUND	0.01
164	73.95	XANTHORRHIZOL	0.01
165	74.64	ACORENONE	0.09
166	78.08	ZINGIBEROL	0.05
		TOTAL	99.91

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