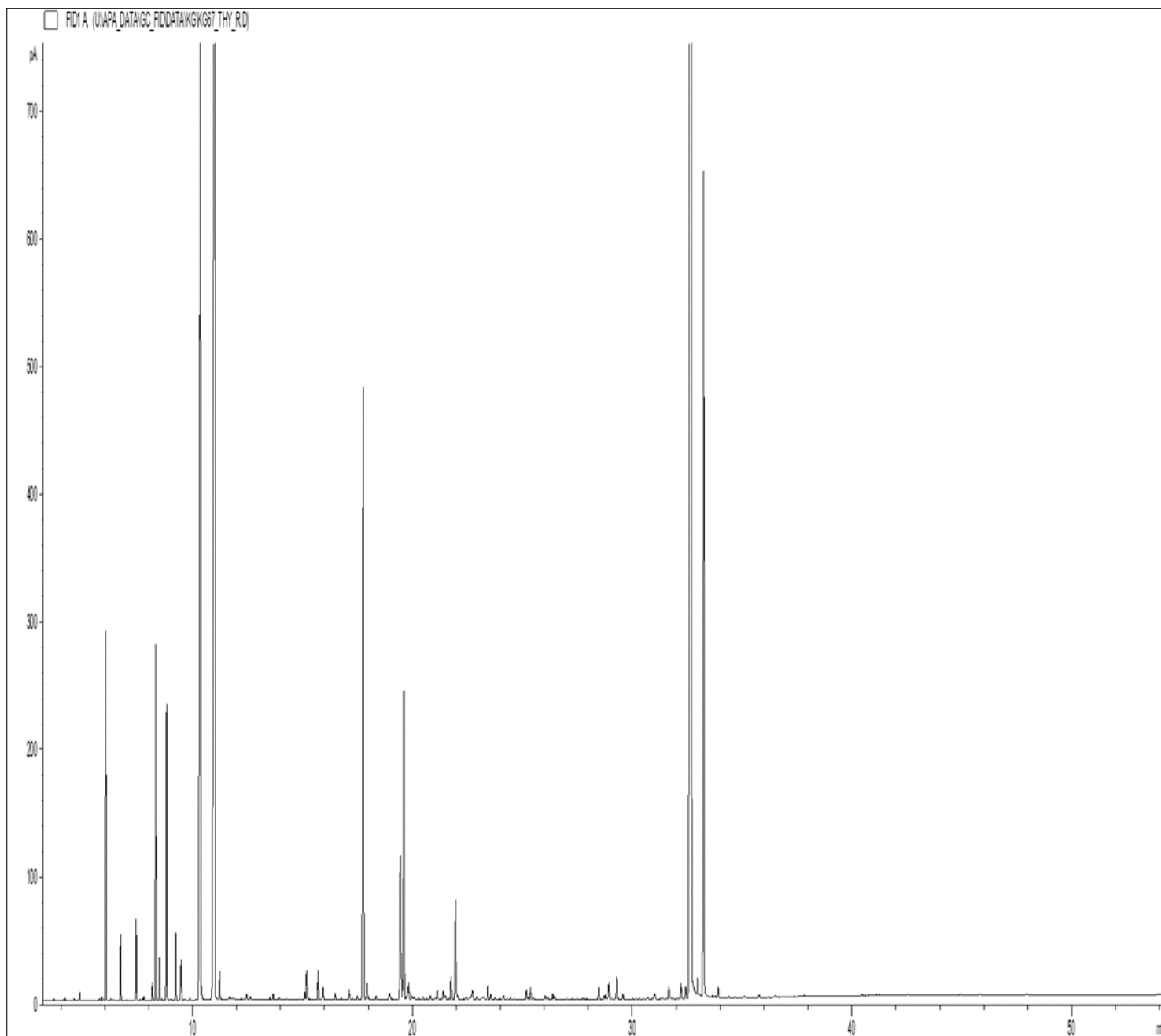


GCMS ANALYSIS

PRODUCT NAME: THYME RED ESSENTIAL OIL – 11145

DATE: September 06, 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,

GCMS ANALYSIS (cont'd.)
PRODUCT NAME: THYME RED ESSENTIAL OIL – 11145

Peak	RT (min)	Compound name	%
1	4.61	ALLYL ETHYLETHER	0.01
2	4.84	2-METHYLBUTANAL	0.02
3	4.86	ISOVALERALDEHYDE	0.03
4	5.86	TRICYCLEN	0.02
5	6.04	alpha-PINENE	0.70
6	6.10	alpha-THUYENE	0.97
7	6.28	MENTHANE ISOMER	0.01
8	6.72	CAMPHE	0.29
9	7.43	beta-PINENE	0.36
10	7.71	PINADIENE	0.01
11	7.77	THUYADIENE	0.02
12	8.17	delta3-CARENE	0.09
13	8.32	beta-MYRCENE	1.60
14	8.50	alpha-PHELLANDRENE	0.18
15	8.59	psi-LIMONENE	0.01
16	8.81	alpha-TERPINENE	1.36
17	9.04	1,8-CINEOLE, 2,3-DEHYDRO-	0.02
18	9.22	LIMONENE	0.32
19	9.47	beta-PHELLANDRENE	0.24
20		1,8-CINEOLE	
21	9.88	cis-beta-OCIMENE	0.02
22	10.16	TERPENIC COMPOUND	0.01
23	10.34	gamma-TERPINENE	7.49
24	10.40	trans-beta-OCIMENE	0.04
25	10.45	3-OCTANONE	0.04
26	10.66	m-CYMENE	0.01
27	11.00	p-CYMENE	16.00
28	11.23	TERPINOLENE	0.16
29	11.69	CYMENE ISOMER	0.01
30	12.46	5-HEPTANONE-2-ONE, 6-METHYL	0.03

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GCMS ANALYSIS (cont'd.)
PRODUCT NAME: THYME RED ESSENTIAL OIL – 11145

Peak	RT (min)	Compound name	%
31	12.62	1-HEXANOL	0.02
32	13.52	3-HEXEN-1-OL	0.02
33	13.65	3-OCTANOL	0.04
34	13.94	NONANAL	0.02
35	14.26	FENCHONE	0.01
36	14.88	COMPOUND Mw=152	0.02
37	15.10	HEXENYLIC ESTER	0.05
38	15.18	alpha-p-DIMETHYLSTYRENE	0.11
39	15.20	LINALOOL Cis-OXIDE	0.07
40	15.25	1-OCTEN-3-OL	0.04
41	15.70	trans-THUYANOL	0.16
42	15.86	FURFURAL	0.02
43	15.93	LINALOOL trans-OXIDE	0.08
44	16.49	ISOGERANIAL	0.05
45	16.76	alpha-COPAENE	0.02
46	17.12	ISONERAL	0.07
47	17.49	CAMPHOR	0.03
48	17.77	LINALOOL	3.84
49	17.93	cis-THUYANOL	0.12
50	18.01	1-OCTANOL	0.02
51	18.36	trans-p-MENTH-2-EN-1-OL	0.03
52	18.97	BORNYL ACETATE	0.04
53	19.05	ISOBORNYL ACETATE	0.03
54	19.09	FENCHOL	0.01
55	19.45	TERPINENE-4-OL	0.76
56	19.55	METHYL CARVACROL ETHER	0.25
57	19.62	beta-CARYOPHYLLENE	2.12
58	19.72	SESQUITERPENE	0.02
59	19.78	cis-DIHYDROCARVONE	0.05
60	19.84	AROMADENDRENE	0.11

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GCMS ANALYSIS (cont'd,)
PRODUCT NAME: THYME RED ESSENTIAL OIL – 11145

Peak	RT (min)	Compound name	%
61	19.99	METHYL BENZOATE	0.03
62	20.09	SESQUITERPENE	0.04
63	20.29	trans-DIHYDROCARVONE	0.02
64	20.50	COMPOUND Mw=166	0.03
65	20.63	CADINA-3,5-DIENE	0.02
66	20.82	ALLO-AROMADENDRENE	0.05
67	21.07	1-NONANOL	0.02
68	21.14	LAVANDULOL	0.07
69	21.34	trans-VERBENOL	0.01
70	21.41	alpha-HUMULENE	0.06
71	21.52	NERAL	0.04
72	21.64	gamma-MUUROLENE	0.02
73	21.76	alpha-TERPINEOL	0.16
74	21.97	BORNEOL	0.57
75	22.00	LEDENE	0.09
76	22.07	TERPENIC COMPOUND	0.03
77	22.33	PELLANDRAL	0.02
78	22.45	CARVENONE	0.03
79	22.58	beta-SELINENE	0.02
80	22.64	alpha-MUUROLENE	0.02
81	22.74	GERANIAL	0.10
82	22.95	CARVONE	0.02
83	23.10	trans-PIPERITOL	0.02
84	23.17	trans-ISOPIPERITENOL	0.02
85	23.24	CITRONELLOL	0.04
86	23.44	delta-CADINENE	0.09
87	23.57	gamma-CADINENE	0.04
88	23.77	METHYL SALICYLATE	0.03
89	23.99	MYRTENOL	0.01
90	24.15	NEROL	0.05

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GCMS ANALYSIS (cont'd,)

PRODUCT NAME: THYME RED ESSENTIAL OIL – 11145

Peak	RT (min)	Compound name	%
91	24.34	trans-SABINOL	0.01
92	24.47	ISOBUTYRATE DE NERYLE	0.02
93	25.20	GERANIOL	0.08
94	25.30	ISOPIPERITENONE	0.02
95	25.38	p-CYMENE-8-OL	0.07
96	25.50	THYMYL ACETATE	0.02
97	26.04	MYRCEN-8-OL	0.03
98	26.17	ALIPHATIC ALCOHOL	0.03
99	26.39	GERANYL BUTYRATE	0.04
100	26.48	NERYL METHYLBUTYRATE	0.03
101	27.02	PIPERITENONE	0.01
102	27.75	trans-JASMONE	0.01
103	27.83	AROMATIC COMPOUND	0.01
104	28.49	Z-8-DODECEN-1-OL	0.08
105	28.72	ALLYL PHENOL ISOMER	0.03
106	28.81	ISOCARYOPHYLLENE OXIDE	0.03
107	28.95	CARYOPHYLLENE OXIDE	0.13
108	29.31	2,4-DIMETHYLPHENYLIC ALCOHOL	0.15
109	29.59	ALIPHATIC ESTER	0.04
110	30.34	AROMATIC COMPOUND	0.01
111	30.72	VIRIDIFLOROL	0.02
112	31.03	CUMINOL	0.06
113	31.40	10-epi-gamma-EUDESOL	0.02
114	31.67	SPATHULENOL	0.11
115	32.23	ISOTHYMOL	0.10
116	32.44	EUGENOL	0.08
117	32.68	THYMOL	52.78
118	32.99	ISOCARVACROL	0.23
119	33.26	CARVACROL	5.38
120	33.65	PHENOLIC COMPOUND	0.04

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GCMS ANALYSIS (cont'd,)
PRODUCT NAME: THYME RED ESSENTIAL OIL – 11145

Peak	RT (min)	Compound name	%
121	33.79	PHENOLIC COMPOUND	0.04
122	33.92	PHENOLIC COMPOUND	0.08
123	34.39	AROMATIC COMPOUND	0.02
124	34.69	AROMATIC COMPOUND	0.02
125	35.10	COMPOUND Mw=150	0.02
126	35.78	SESQUITERPENIC COMPOUND	0.03
127	36.53	SESQUITERPENIC COMPOUND	0.02
		TOTAL	99.93

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