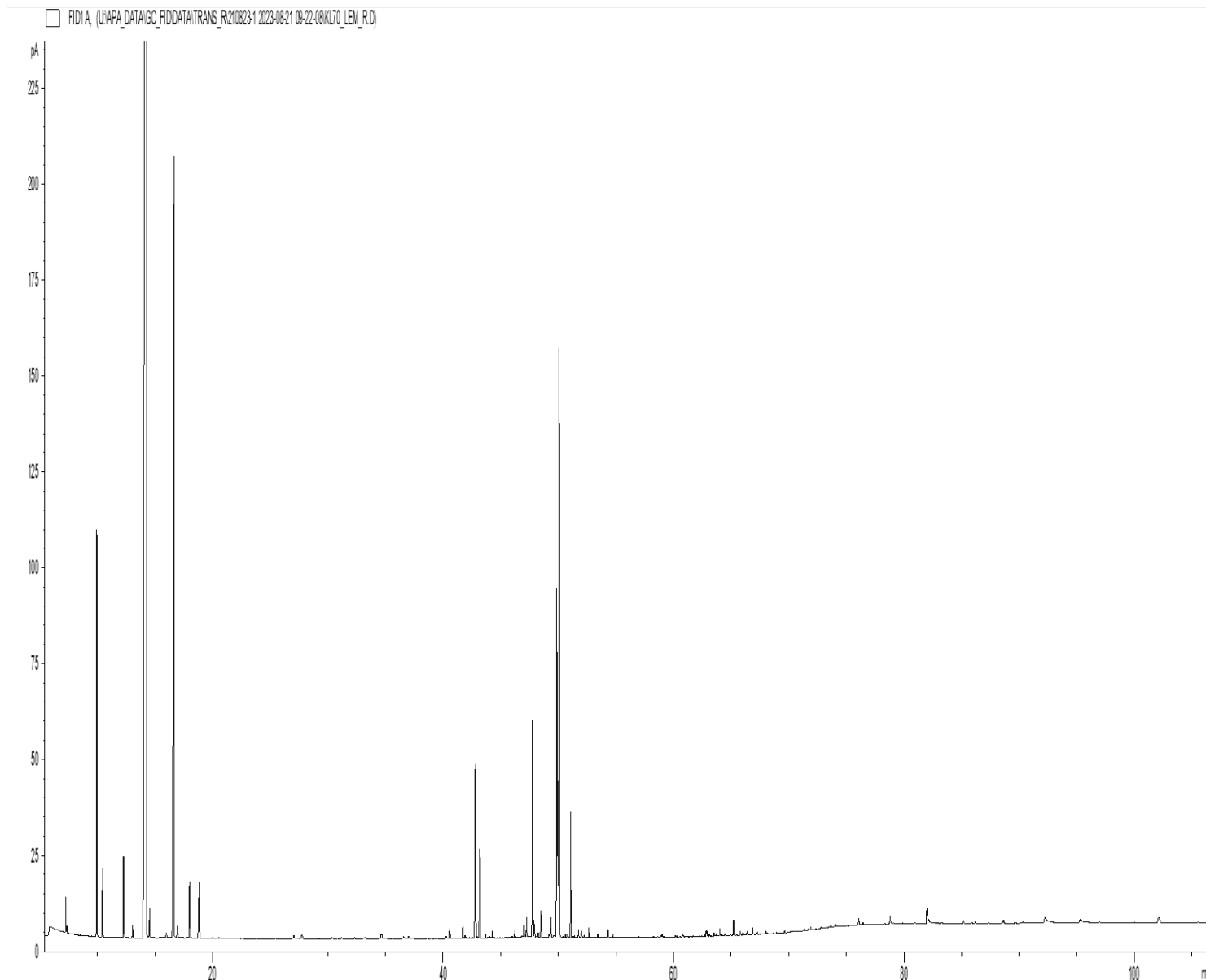


GCMS ANALYSIS

PRODUCT NAME: LEMON 5FOLD (SICILY) ESSENTIAL OIL - 11224

DATE: September 13, 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

PRODUCT NAME: LEMON 5FOLD (SICILY) ESSENTIAL OIL – 11224

Peaks	RT (min)	Compound name	%
1	7.26	alpha-PINENE	0.22
2	7.34	alpha-THUYENE	0.04
3	9.95	beta-PINENE	3.21
4	10.45	SABINENE	0.53
5	12.27	beta-MYRCENE	0.72
6	12.36	alpha-PHELLANDRENE	0.04
7	13.07	alpha-TERPINENE	0.13
8	14.24	LIMONENE	60.64
9	14.54	1,8-CINEOLE	0.25
10		beta-PHELLANDRENE	
11	15.98	cis-beta-OCIMENE	0.04
12	16.64	gamma-TERPINENE	9.47
13	16.95	trans-beta-OCIMENE	0.10
14	18.01	p-CYMENE	0.56
15	18.81	TERPINOLENE	0.56
16	19.99	TRIDECANE	0.02
17	27.04	NONANAL	0.04
18	27.75	TETRADECANE	0.05
19	30.36	ALKEN COMPOUND	0.02
20	33.21	trans-THUYANOL	0.03
21	34.64	CITRONELLAL	0.08
22	36.56	DECANAL	0.04
23	37.01	PENTADECANE	0.03
24	40.28	cis-THUYANOL	0.03
25	40.57	LINALOOL	0.11
26	41.71	alpha-cis-BERGAMOTENE	0.14
27	41.89	alpha-SANTALENE	0.04
28	42.80	alpha-trans-BERGAMOTENE	1.97
29	42.96	beta-ELEMENE	0.02
30	43.18	beta-CARYOPHYLLENE	1.04

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Peaks	RT (min)	Compound name	%
31	43.67	TERPINENE-4-OL	0.04
32	43.98	UNDECANAL	0.04
33	44.30	SESQUITERPENE	0.08
34	45.43	Epi-beta-SANTALENE	0.02
35	45.97	FARNESENE ISOMER	0.02
36	46.21	beta-SANTALENE	0.08
37	47.00	alpha-HUMULENE	0.10
38	47.10	CITRONELLYL ACETATE	0.08
39	47.24	E-beta-FARNESENE	0.17
40	47.78	NERAL	3.32
41	47.92	Z-beta-FARNESENE	0.12
42	48.24	gamma-CURCUMENE	0.04
43	48.49	alpha-TERPINEOL	0.24
44	49.21	PIPERITONE	0.03
45	49.35	alpha-SELINENE	0.19
46	49.60	CARVONE	0.04
47	49.86	NERYL ACETATE	3.17
48	49.90	beta-BISABOLENE	2.18
49	50.06	GERANIAL	6.28
50	50.62	TERPENIC COMPOUND	0.03
51	50.80	E,E-alpha-FARNESENE	0.03
52	51.07	GERANYL ACETATE	1.02
53	51.39	CITRONELLOL	0.02
54	51.75	PERILLALDEHYDE	0.07
55	52.01	trans-alpha-BISABOLENE	0.05
56	52.28	NERYL PROPIONATE	0.04
57	52.64	NEROL	0.08
58	53.43	GERANYL PROPIONATE	0.04
59	54.30	GERANIOL	0.08
60	54.73	cis-CARVEOL	0.03

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Peaks	RT (min)	Compound name	%
61	58.99	CARYOPHYLLENE OXIDE	0.02
62	60.17	HEXADECANAL	0.02
63	60.79	COMPOUND Mw=222	0.03
64	62.71	SESQUITERPENOL Mw=222	0.02
65	62.83	SPATHULENOL	0.05
66	62.89	SESQUITERPENOL	0.05
67	63.10	HEPTADECANAL	0.03
68	63.51	beta-BISABOLOL	0.03
69	63.72	PELARGONIC ACID	0.02
70	64.02	CAMPHERENOL	0.06
71	64.46	AROMATIC COMPOUND	0.03
72	64.91	SESQUITERPENOL	0.02
73	65.20	E,E,E-alpha-SPRINGENE	0.13
74	65.78	alpha-BISABOLOL	0.05
75	66.02	alpha-CADINOL	0.02
76	66.15	SESQUITERPENIC COMPOUND	0.02
77	66.39	DITERPENE	0.04
78	66.84	DIMETHYL METHYLPENTENYL NORBORNANOL	0.07
79	67.27	CAPRIC ACID	0.03
80	68.01	TRICOSANE	0.03
81	69.64	TETRACOSANE	0.03
82	71.36	PENTACOSANE	0.02
83	71.92	NOOTKATONE	0.02
84	76.10	MYRISTIC ACID	0.06
85	76.46	OCTACOSANE	0.03
86	78.82	PENTADECANOIC ACID	0.09
87	82.01	PALMITIC ACID	0.20
88	82.18	NONACOSANE	0.06
89	85.15	ALIPHATIC COMPOUND	0.05
90	85.88	COMPOUND Mw=282	0.02

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Peaks	RT (min)	Compound name	%
91	86.22	COMPOUND Mw=280	0.02
92	88.65	SQUALENE	0.05
93	92.27	OLEIC ACID	0.28
94	95.35	LINOLEIC ACID	0.25
95	96.95	AROMATIC COMPOUND	0.03
96	102.13	LIMETTIN	0.18
		TOTAL	100.00

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