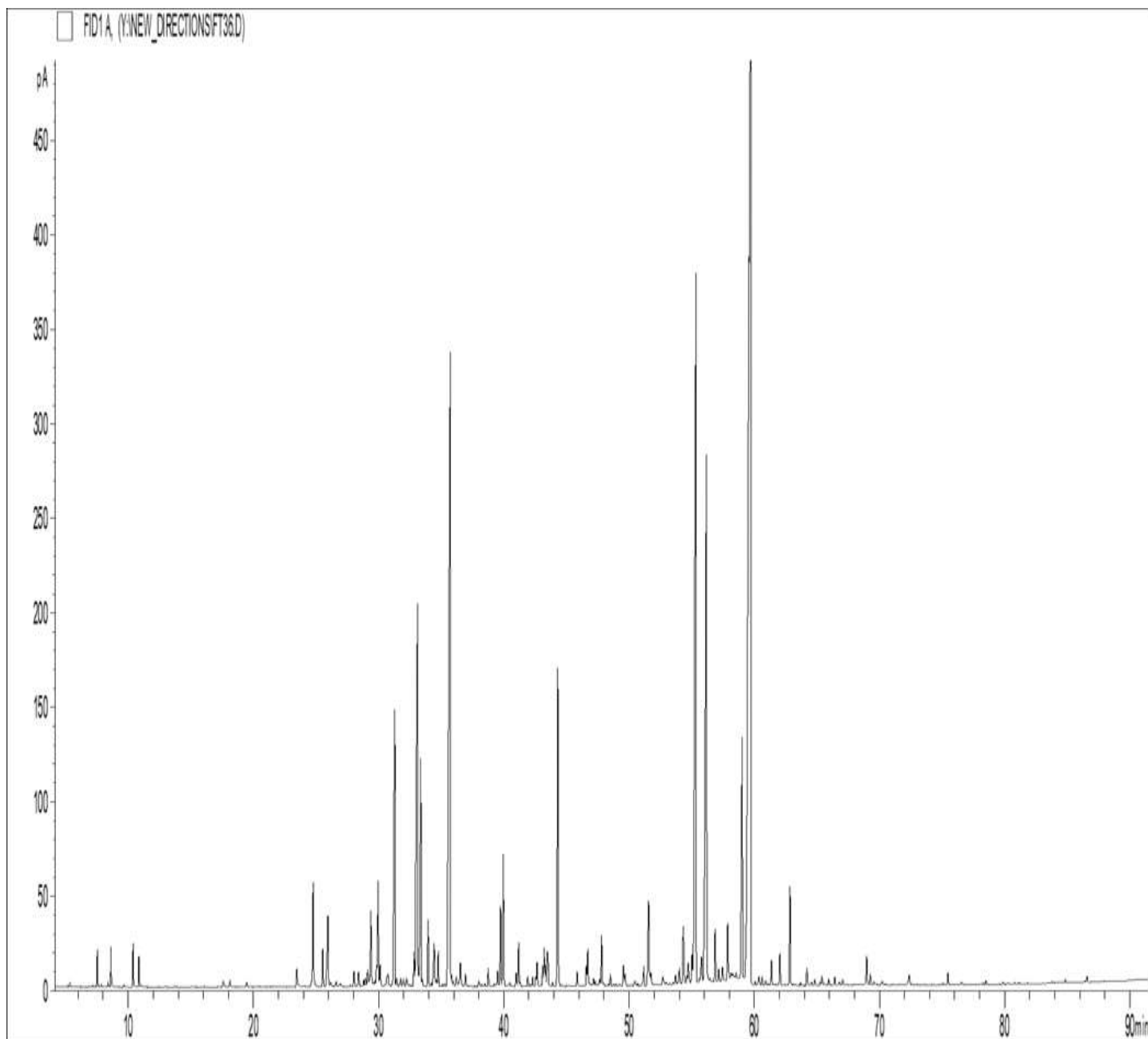


GCMS ANALYSIS

PRODUCT NAME: TURMERIC ORGANIC ESSENTIAL OIL - 50073

DATE: September 30, 2021



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: TURMERIC ORGANIC ESSENTIAL OIL - 50073

Peak	RT (min)	Compound	%
1	5,17	alpha-PINENE	0,01
2	5,34	TOLUENE	0,03
3	7,17	delta3-CARENE	0,01
4	7,38	beta-MYRCENE	0,01
5	7,52	alpha-PHELLANDRENE	0,19
6	7,85	alpha-TERPINENE	0,02
7	8,38	LIMONENE	0,03
8	8,61	1,8-CINEOLE	0,24
9		beta-PHELLANDRENE	
10	9,66	gamma-TERPINENE	0,02
11	10,38	p-CYMENE	0,28
12	10,85	TERPINOLENE	0,19
13	11,04	2-HEPTEN-4-ONE, 2-METHYL-	0,01
14	12,91	5-HEPTENE-2-ONE, 6-METHYL-	0,01
15	13,74	ESTER ALIPHATIQUE	0,01
16	17,58	alpha,p-DIMETHYLSTYRENE	0,07
17	18,12	COMPOUND Mw=152	0,06
18	19,46	BENZYLIC ESTER	0,05
19	23,45	1-METHYL-4-ACETYLCYCLOHEX-1-ENE	0,21
20	23,65	SESQUITERPENE	0,02
21	24,64	alpha-cis-BERGAMOTENE	0,04
22	24,77	alpha-SANTALENE	0,96
23	24,84	alpha-CEDRENE	0,05
24	25,54	alpha-trans-BERGAMOTENE	0,33
25	25,88	CURCUMENE ISOMER Mw=202	0,20
26	25,94	beta-CARYOPHYLLENE	0,65
27	26,16	TERPINENE-4-OL	0,05
28	26,60	COMPOUND Mw=178	0,06
29	28,02	SANTALENE ISOMER	0,15
30	28,39	COMPOUND Mw=202	0,15

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: TURMERIC ORGANIC ESSENTIAL OIL - 50073

Peak	RT (min)	Compound	%
31	28,80	CURCUMENE ISOMER	0,06
32	28,95	SANTALENE ISOMER	0,09
33	29,12	CURCUMENE ISOMER	0,18
34	29,37	alpha-ACORADIENE	0,83
35	29,70	alpha-HUMULENE	0,06
36	29,84	E-beta-FARNESENE	0,17
37	29,96	POLYENIC SESQUITERPENE Mw=202	1,01
38	30,11	Z-beta-FARNESENE	0,23
39	30,67	CURCUMENE ISOMER	0,12
40	30,74	CURCUMENE ISOMER	0,15
41	31,28	gamma-CURCUMENE	2,99
42	31,43	alpha-TERPINEOL	0,10
43	31,75	POLYENIC SESQUITERPENE Mw=202	0,10
44	31,98	SESQUITERPENE	0,09
45	32,22	SESQUITERPENE Mw=202	0,11
46	32,82	SESQUITERPENE Mw=202	0,30
47	33,10	alpha-ZINGIBERENE	5,33
48	33,15	COMPOUND Mw=200	0,13
49	33,36	beta-BISABOLENE	2,39
50	33,47	COMPOUND Mw=218	0,10
51	33,94	beta-CURCUMENE	0,61
52	34,19	AROMATIC COMPOUND	0,04
53	34,42	SESQUITERPENE Mw=202	0,56
54	34,60	delta-CADINENE	0,08
55	34,76	E,E-alpha-FARNESENE	0,34
56	35,10	COMPOUND Mw=200	0,03
57	35,29	p-METHYLACETOPHENONE	0,03
58	35,71	alpha-CURCUMENE	8,14
59	35,77	beta-SESQUIPHELLANDRENE	2,34
60	35,80	POLYENIC SESQUITERPENE Mw=202	0,13

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: TURMERIC ORGANIC ESSENTIAL OIL - 50073

Peak	RT (min)	Compound	%
61	35,95	COMPOUND Mw=220	0,06
62	36,19	POLYENIC SESQUITERPENE Mw=202	0,14
63	36,40	POLYENIC SESQUITERPENE Mw=202	0,05
64	36,52	BENZYLIC ESTER	0,28
65	36,92	trans-SABINOL	0,14
66	37,99	SESQUITERPENE	0,07
67	38,48	COMPOUND Mw=200	0,03
68	38,75	POLYENIC SESQUITERPENE Mw=202	0,16
69	39,21	CURCUMENIC COMPOUND	0,03
70	39,49	CURCUMENIC COMPOUND	0,16
71	39,73	METHOXYPHENOLIC COMPOUND Mw=178 ISOMER	0,67
72	39,95	METHOXYPHENOLIC COMPOUND Mw=178 ISOMER	1,26
73	40,31	COMPOUND Mw=218	0,03
74	40,48	beta-VETIVENE	0,05
75	40,98	AROMATIC COMPOUND	0,14
76	41,17	DEHYDROCUCUMENE	0,39
77	41,31	AROMATIC COMPOUND	0,04
78	41,89	SABINOL ISOMER	0,11
79	42,29	AROMATIC COMPOUND	0,09
80	42,54	COMPOUND Mw=248	0,08
81	42,64	ALIPHATIC ALCOHOL	0,26
82	43,10	AROMATIC COMPOUND Mw=220	0,20
83	43,22	COMPOUND Mw=152	0,36
84	43,32	COMPOUND Mw=220	0,18
85	43,47	CURCUMENOL ISOMER	0,52
86	43,88	COMPOUND Mw=220	0,04
87	44,31	METHYL PHENYL PENTANONE ISOMER Mw=176	2,99
88	45,84	AROMATIC COMPOUND Mw=200	0,15
89	46,59	CURCUMENIC COMPOUND Mw=218	0,20
90	46,70	beta-CALACORENE	0,38

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: TURMERIC ORGANIC ESSENTIAL OIL - 50073

Peak	RT (min)	Compound	%
91	47,17	AROMATIC COMPOUND Mw=200	0,10
92	47,64	CURCUMENIC COMPOUND Mw=218	0,08
93	47,80	CURCUMENIC COMPOUND Mw=218	0,47
94	48,50	AROMATIC COMPOUND	0,13
95	49,55	CURCUMENIC COMPOUND Mw=218	0,23
96	49,67	AROMATIC COMPOUND	0,12
97	50,50	NEROLIDOL	0,09
98	50,68	AROMATIC COMPOUND	0,03
99	51,17	CURCUMENIC COMPOUND Mw=218	0,22
100	51,55	CURCUMENIC COMPOUND Mw=218	1,19
101	51,75	CURCUMENIC COMPOUND Mw=218	0,16
102	52,69	AROMATIC COMPOUND	0,14
103	53,71	CURCUMENIC COMPOUND Mw=218	0,12
104	54,01	AROMATIC COMPOUND	0,13
105	54,33	SESQUITERPENOL	0,62
106	54,62	TURMERONE ISOMER	0,06
107	54,72	CURCUMENIC COMPOUND Mw=218	0,24
108	55,02	SESQUITERPENOL	0,27
109	55,34	DIHYDRO-ar-TURMERONE	10,29
110	55,63	AROMATIC COMPOUND	0,04
111	55,78	AROMATIC COMPOUND	0,31
112	56,17	alpha-TUMERONE Mw=218	7,31
113	56,87	AROMATIC COMPOUND Mw=234	0,46
114	57,16	CARVACROL	0,12
115	57,46	AROMATIC COMPOUND	0,17
116	57,87	AROMATIC COMPOUND Mw=234	0,56
117	57,94	TUMERONE COMPOUND Mw=216	0,08
118	58,14	COMPOUND Mw=214	0,05
119	58,29	AROMATIC COMPOUND	0,06
120	58,55	COMPOUND Mw=214	0,06

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: TURMERIC ORGANIC ESSENTIAL OIL - 50073

Peak	RT (min)	Compound	%
121	59,03	beta-TUMERONE Mw=218 (CURLONE)	2,58
122	59,35	AROMATIC COMPOUND	0,28
123	59,73	Ar-TUMERONE Mw=216	29,42
124	60,07	AROMATIC COMPOUND Mw=220	0,04
125	60,37	AROMATIC COMPOUND Mw=220	0,14
126	60,62	SESQUITERPENIC EPOXIDE	0,09
127	60,92	AROMATIC COMPOUND	0,06
128	61,37	AROMATIC COMPOUND Mw=220	0,25
129	62,04	AROMATIC COMPOUND Mw=220	0,31
130	62,84	E-alpha-ATLANTONE	0,92
131	63,67	COMPOUND Mw=200	0,03
132	64,20	ZINGIBERENOL	0,19
133	64,58	SESQUITERPENOL	0,04
134	64,84	SESQUITERPENONE Mw=218	0,07
135	65,25	COMPOUND Mw=164	0,03
136	65,39	BENZOFURAN, 2,3-DEHYDRO Mw=120	0,10
137	65,93	AROMATIC COMPOUND	0,07
138	66,41	NAPHTALENIC COMPOUND Mw=230	0,09
139	66,78	AROMATIC COMPOUND	0,05
140	67,06	COMPOUND Mw=234	0,07
141	68,98	AROMATIC COMPOUND Mw=176	0,30
142	69,26	COMPOUND Mw=230	0,11
143	69,56	COMPOUND Mw=230	0,05
144	72,38	AROMATIC COMPOUND	0,18
145	75,47	AROMATIC COMPOUND Mw=218	0,10
146	76,55	AROMATIC COMPOUND	0,04
147	78,51	AROMATIC COMPOUND	0,04
148	84,84	AROMATIC COMPOUND Mw=234	0,04
149	86,57	XANTHORRHIZOL	0,05
		TOTAL	99,81

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