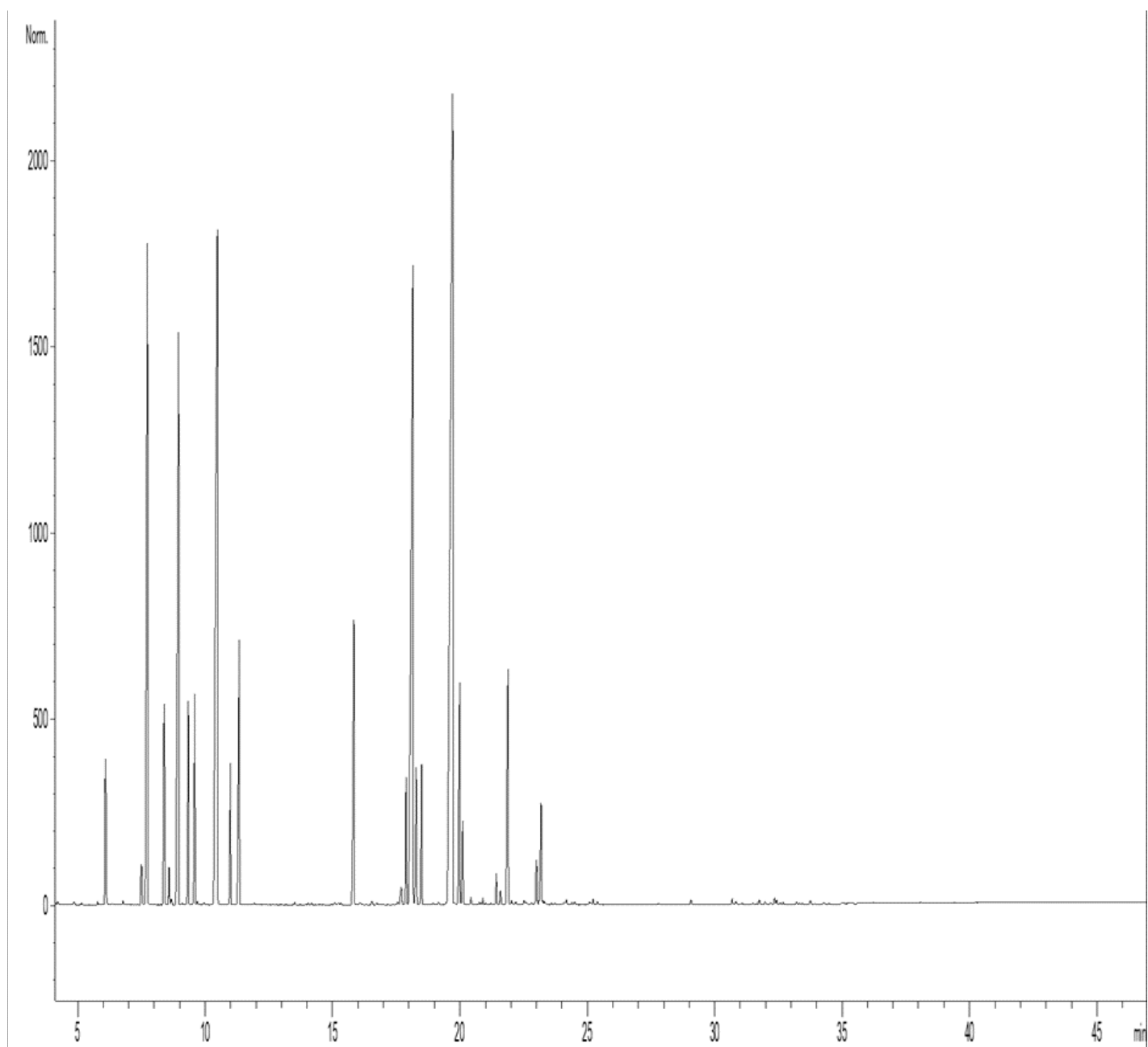


GCMS ANALYSIS

PRODUCT NAME: MARJORAM ESSENTIAL OIL (SWEET) - 11089

DATE: January 06, 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: MARJORAM ESSENTIAL OIL (SWEET) - 11089

Peak	RT (min)	Compound name	%
1	4,86	BUTANAL,2-METHYL + ISOVALERALDEHYDE	0,03
2	5,15	FURAN,2-ETHYL	0,01
3	5,77	METHYL-2-METHYLBUTYRATE	0,02
4	6,09	alpha-PINENE	0,88
5	6,10	alpha-THUYENE	0,70
6	6,77	CAMPHENE	0,04
7	7,49	beta-PINENE	0,50
8	7,73	SABINENE	8,62
9	7,83	PINADIENE	0,01
10	8,39	beta-MYRCENE	2,20
11	8,58	alpha-PHELLANDRENE	0,39
12	8,67	psi-LIMONENE	0,07
13	8,95	alpha-TERPINENE	8,56
14	9,09	1,8-CINEOLE-2,3-DEHYDRO-	0,02
15	9,33	LIMONENE	2,05
16	9,59	beta-PHELLANDRENE	2,10
17	9,69	2-HEXENAL	0,03
18	9,95	Cis-beta-OCIMENE	0,03
19	10,48	gamma-TERPINENE	13,78
20	10,50	Trans-beta-OCIMENE	0,03
21	10,61	3-OCTANONE	0,01
22	10,99	p-CYMENE	1,27
23	11,34	TERPINOLENE	3,14
24	11,93	3-HEXEN-1-OL, ACETATE	0,01
25	13,52	3-HEXEN-1-OL	0,02
26	14,05	MENTHATRIENE ISOMER	0,02
27	14,17	ALIPHATIC ALCOHOL	0,01
28	15,11	MENTHATRIENE ISOMER	0,03
29	15,25	alpha-p-DIMETHYLSTYRENE	0,02
30	15,34	MENTHATRIENE ISOMER	0,02

Disclaimer & Caution:

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: MARJORAM ESSENTIAL OIL (SWEET) - 11089

Peak	RT (min)	Compound name	%
31	15,84	Trans-THUYANOL	3,78
32	16,07	TRIDECANE	0,03
33	16,56	Z-SOLANONE	0,04
34	16,74	delta-ELEMENE	0,02
35	17,56	COMPOUND Mw=152	0,03
36	17,70	E-SOLANONE	0,29
37	17,90	LINALOL	1,19
38	18,16	Cis-THUYANOL	14,70
39	18,29	LINALYL ACETATE	1,60
40	18,50	Trans-p-MENTH-2-EN-1-OL	1,51
41	18,95	BORNYL ACETATE	0,02
42	19,16	alpha-cis-BERGAMOTENE	0,03
43	19,71	TERPINENE-4-OL	22,08
44	19,99	beta-CARYOPHYLLENE	2,52
45	20,11	Cis-p-MENTH-2-EN-1-OL	0,89
46	20,44	Trans-DIHYDROCARVONE	0,08
47	20,76	2-DECENAL	0,02
48	20,83	TERPENIC ACETATE	0,02
49	20,90	Trans-PINOCARVEOL	0,07
50	21,22	ESTRAGOL	0,02
51	21,43	Cis-PIPERITOL	0,32
52	21,60	alpha-HUMULENE	0,16
53	21,88	alpha-TERPINEOL	3,06
54	22,03	LEDENE	0,06
55	22,20	SESQUITERPENE	0,05
56	22,53	NERYL ACETATE	0,06
57	22,59	COMPOUND Mw=152	0,04
58	22,81	CARVONE	0,03
59	23,01	trans-PIPERITOL	0,49
60	23,19	BICYCLOGERMACRENE	1,34

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: MARJORAM ESSENTIAL OIL (SWEET) - 11089

Peak	RT (min)	Compound name	%
61	23,25	E,E-alpha-FARNESENE	0,04
62	23,31	GERANYL ACETATE	0,04
63	23,59	delta-CADINENE + gamma-CADINENE	0,02
64	23,73	CITRONELLOL	0,02
65	24,11	CAMPHOLENOL	0,03
66	24,19	NEROL	0,06
67	24,41	AROMATIC COMPOUND	0,03
68	24,51	Trans-CARVEOL	0,03
69	25,09	COMPOUND Mw=152	0,03
70	25,24	GERANIOL	0,06
71	25,40	p-CYMENE-8-OL	0,03
72	29,07	CARYOPHYLLENE EPOXIDE	0,05
73	30,69	Cis-1,4-DIHYDROXY-p-MENTH-2-ENE	0,06
74	30,84	SESQUITERPENOL	0,03
75	31,75	SPATHULENOL	0,05
76	31,98	Trans-1,4-DIHYDROXY-p-MENTH-2-ENE	0,03
77	32,36	SORBIC ACID	0,07
78	32,44	EUGENOL	0,05
79	32,58	THYMOL	0,02
80	32,68	T-CADINOL	0,02
81	33,22	CARVACROL	0,02
82	33,76	beta-NOOTKATOL	0,04
83	38,09	SANDARACOPIMARADIENE	0,01
		TOTAL	100,00

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