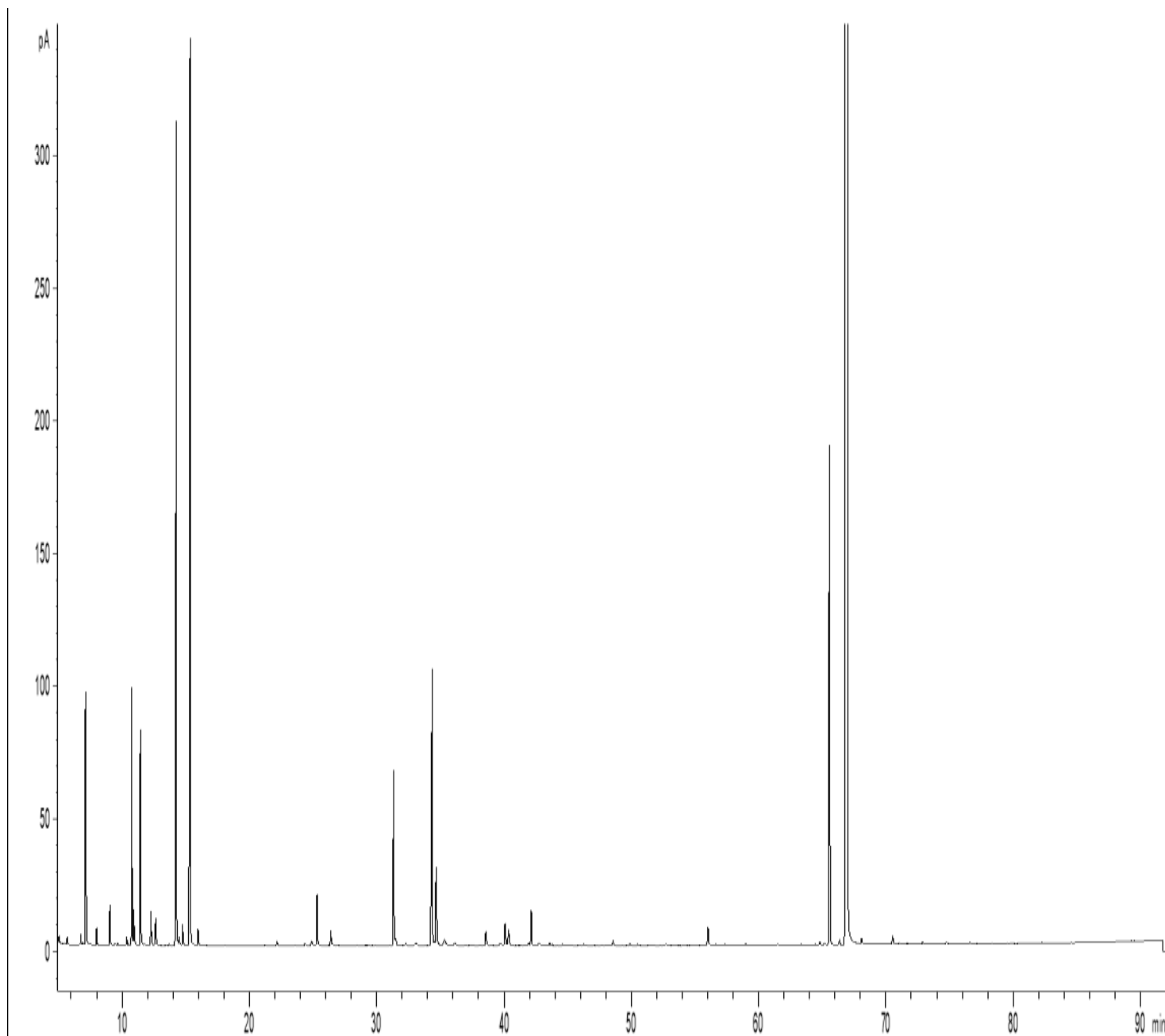


GCMS ANALYSIS

PRODUCT NAME: ORIGANUM (ORIGANUM VULGARE) ESSENTIAL OIL - 11306

DATE: September 10, 2020



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: ORIGANUM (ORIGANUM VULGARE) ESSENTIAL OIL - 11306

Peak	RT (min)	Compound	%
1	5,04	ACETONE	0,05
2	5,70	2-METHYL BUTANAL + ISOVALERALDEHYDE	0,05
3	6,75	METHYL-2-METHYLBUTYRATE	0,06
4	6,89	METHYL ISOVALERATE	0,02
5	7,11	alpha-PINENE	0,90
6	7,16	alpha-THUYENE	1,10
7	7,99	CAMPHENE	0,09
8	9,03	beta-PINENE	0,22
9	9,65	THUYA-2,4-DIENE	0,02
10	10,35	delta3-CARENE	0,05
11	10,76	beta-MYRCENE	1,31
12	10,92	alpha-PHELLANDRENE	0,24
13	11,43	alpha-TERPINENE	1,22
14	12,26	LIMONENE	0,23
15	12,64	beta-PHELLANDRENE	0,25
16	13,69	Cis-beta-OCIMENE	0,01
17	14,26	gamma-TERPINENE	5,54
18	14,48	Trans-beta-OCIMENE	0,07
19	14,75	3-OCTANONE	0,14
20	15,34	p-CYMENE	5,97
21	15,96	TERPINOLENE	0,12
22	22,16	3-OCTANOL	0,03
23	24,37	COMPOUND Mw=152	0,02
24	24,89	alpha,p-DIMETHYLSTYRENE	0,06
25	24,90	LINALOOL Cis-OXIDE	0,01
26	25,31	1-OCTEN-3-OL	0,37
27	26,39	Trans-THUYANOL	0,11
28	31,32	LINALOOL	1,15
29	31,46	Cis-THUYANOL	0,09
30	32,28	Trans-p-MENTH-2-EN-1-OL	0,02

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: ORIGANUM (ORIGANUM VULGARE) ESSENTIAL OIL - 11306

Peak	RT (min)	Compound	%
31	33,08	SESQUITERPENE	0,05
32	34,35	beta-CARYOPHYLLENE	2,42
33	34,51	Cis-DIHYDROCARVONE	0,03
34	34,66	TERPINENE-4-OL	0,75
35	35,04	AROMADENDRENE	0,01
36	35,32	Trans-DIHYDROCARVONE	0,09
37	35,43	METHYL BENZOATE	0,01
38	36,16	Cis-p-MENTH-2-EN-1-OL	0,05
39	36,99	PULEGONE	0,01
40	37,53	trans-PINOCARVEOL	0,01
41	38,58	alpha-HUMULENE	0,13
42	39,60	LAVANDULAL	0,01
43	39,74	gamma-MUUROLENE	0,03
44	40,08	BORNEOL	0,21
45	40,36	alpha-TERPINEOL	0,15
46	41,93	BICYCLOGERMACRENE	0,01
47	42,14	beta-BISABOLENE	0,26
48	42,75	CARVONE	0,02
49	43,58	delta-CADINENE	0,02
50	46,26	Trans-ANETHOL	0,01
51	48,56	p-CYMENE-8-OL	0,04
52	49,89	CARVACRYL ACETATE	0,02
53	52,71	AROMATIC COMPOUND Mw=164	0,01
54	56,02	CARYOPHYLLENE EPOXIDE	0,16
55	57,31	SESQUITERPENIC EPOXIDE	0,01
56	58,98	EPOXY-6,7-HUMULENE	0,01
57	61,50	CUMINOL	0,01
58	64,80	ISOTHYMOL	0,02
59	65,16	EUGENOL	0,02
60	65,57	THYMOL	3,94

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: ORIGANUM (ORIGANUM VULGARE) ESSENTIAL OIL - 11306

Peak	RT (min)	Compound	%
61	66,37	ISOCARVACROL	0,04
62	66,99	CARVACROL	71,71
63	68,10	PHENOL COMPOUND Mw=150	0,05
64	70,54	PHENOL COMPOUND Mw=150	0,08
65	71,07	CARYOPHYLLA-2,6-DIEN-5-alpha-OL	0,01
66	71,68	AROMATIC COMPOUND	0,01
67	72,89	SESQUITERPENIC EPOXIDE	0,02
68	74,75	SESQUITERPENIC EPOXIDE	0,02
69	76,63	4-METHYLPHENOL,2-ALLYL-	0,02
		TOTAL	100,00

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