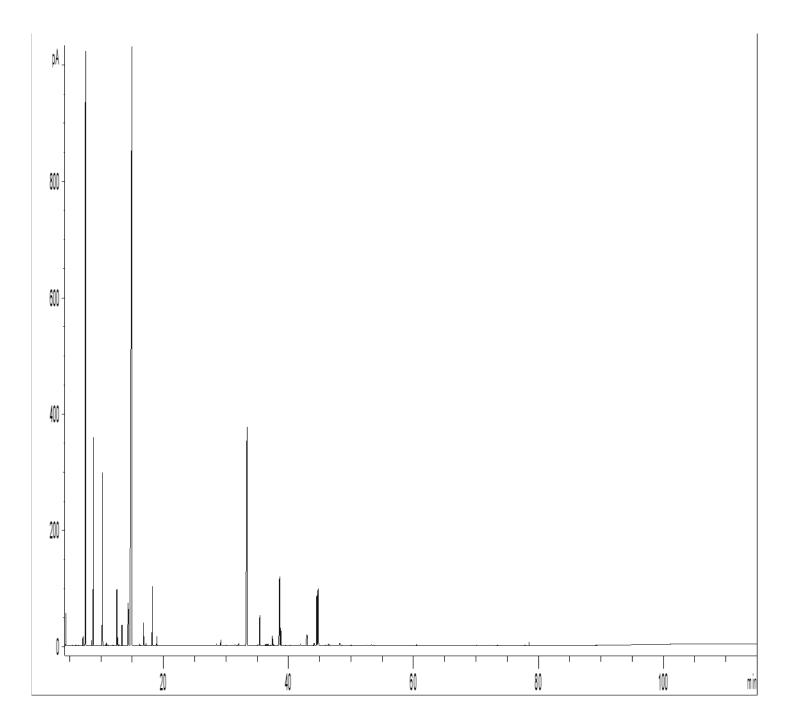


## **GCMS ANALYSIS**

PRODUCT NAME: ROSEMARY ORGANIC ESSENTIAL OIL (MORROCO) - 50021

DATE: October 26, 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: ROSEMARY ORGANIC ESSENTIAL OIL (MORROCO) - 50021

Peak	RT (min)	Compound name	%
1	4,37	ACETONE	0,34
2	5,92	FURAN, 2-ETHYL-	0,01
3	6,44	BORNYLENE	0,01
4	7,11	TRICYCLENE	0,18
5	7,52	alpha-PINENE	14,93
6	7,56	alpha-THUYENE	0,12
7	8,49	alpha-FENCHENE	0,11
8	8,79	CAMPHENE	4,64
9	10,25	beta-PINENE	4,31
10	10,71	SABINENE	0,03
11	10,88	PINADIENE	0,07
12	11,13	THUYA-2,4-DIENE	0,01
13	11,91	delta3-CARENE	0,03
14	12,54	beta-MYRCENE	1,49
15	12,66	alpha-PHELLANDRENE	0,20
16	12,84	psi-LIMONENE	0,03
17	13,35	alpha-TERPINENE	0,59
18	14,35	LIMONENE	2,54
19	14,95	1,8-CINEOLE	44,75
20	15,29	1,3,8-p-MENTHATRIENE	0,01
21	16,21	cis-beta-OCIMENE	0,05
22	16,83	gamma-TERPINENE	0,61
23	17,15	trans-beta-OCIMENE	0,01
24	17,23	3-OCTANONE	0,07
25	18,23	p-CYMENE	1,69
26	18,95	TERPINOLENE	0,26
27	22,93	1-HEXANOL	0,01
28	24,92	3-HEXEN-1-OL	0,01
29	25,75	3-OCTANOL	0,02
30	28,49	alpha-p-DIMETHYLSTYRENE	0,07

#### **Disclaimer & Caution**

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## GCMS ANALYSIS (cont'd,)

PRODUCT NAME: ROSEMARY ORGANIC ESSENTIAL OIL (MORROCO) - 50021

Peak	RT (min)	Compound name	%
31	28,56	ISOCHRYSANTHENONE	0,01
32	29,19	1-OCTEN-3-OL	0,18
33	30,05	trans-THUYANOL	0,02
34	31,47	YLANGENE	0,05
35	31,78	alpha-CAMPHOLENAL	0,02
36	32,07	alpha-COPAENE	0,11
37	33,38	CAMPHOR	11,61
38	34,29	CAMPHOLENIC ALCOHOL	0,01
39	35,13	beta-PINOCAMPHONE	0,05
40	35,33	cis-THUYANOL	0,01
41	35,43	LINALOOL	0,97
42	36,32	PINOCARVONE	0,05
43	36,56	NEOISOPULEGOL	0,06
44	36,75	ISOPULEGOL	0,06
45	37,14	ISOCARYOPHYLLENE	0,05
46	37,44	BORNYL ACETATE	0,34
47	37,64	FENCHOL	0,06
48	38,43	CAMPHENE HYDRATE	0,03
49	38,59	beta-CARYOPHYLLENE	2,93
50	38,77	TERPINENE-4-OL	0,59
51	39,14	AROMADENDRENE	0,03
52	39,54	HOTRIENOL	0,02
53	40,27	MYRTENAL	0,02
54	41,64	ALLO-AROMADENDRENE	0,02
55	41,92	trans-PINOCARVEOL	0,06
56	42,73	ZONARENE	0,01
57	42,92	alpha-HUMULENE	0,31
58	42,98	delta-TERPINEOL	0,37
59	43,93	LAVANDULAL	0,02
60	44,13	gamma-MUUROLENE	0,08

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## GCMS ANALYSIS (cont'd,)

PRODUCT NAME: ROSEMARY ORGANIC ESSENTIAL OIL (MORROCO) - 50021

Peak	RT (min)	Compound name	%
61	44,54	alpha-TERPINEOL	1,71
62	44,74	BORNEOL	2,14
63	44,83	VERBENONE	0,08
64	45,75	beta-SELINENE	0,01
65	45,87	alpha-SELINENE	0,02
66	46,23	alpha-MUUROLENE	0,02
67	46,27	MENTHADIENOL ISOMER	0,03
68	46,45	beta-BISABOLENE	0,07
69	46,95	SESQUITERPENE	0,03
70	48,20	delta-CADINENE	0,11
71	48,25	gamma-CADINENE	0,04
72	48,37	SESQUITERPENE	0,01
73	48,58	CITRONELLOL	0,02
74	48,93	beta-SESQUIPHELLANDRENE	0,01
75	49,15	alpha-CURCUMENE	0,01
76	50,04	MYRTENOL	0,02
77	50,10	CAMPHOLENOL	0,01
78	52,48	CALAMENENE	0,01
79	52,50	trans-CARVEOL	0,01
80	53,29	p-CYMENE-8-OL	0,04
81	53,69	E-GERANYL ACETONE	0,02
82	57,06	alpha-CALACORENE	0,01
83	60,51	CARYOPHYLLENE EPOXIDE	0,05
84	62,23	METHYLEUGENOL	0,01
85	69,93	EUGENOL	0,01
86	70,07	ISOTHYMOL	0,02
87	70,89	THYMOL	0,01
88	71,70	ISOCARVACROL	0,01
89	72,26	CARVACROL	0,02
90	73,43	COMPOUND Mw=234	0,02
91	77,85	SESQUITERPENIC EPOXIDE	0,02
		TOTAL	99,99

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