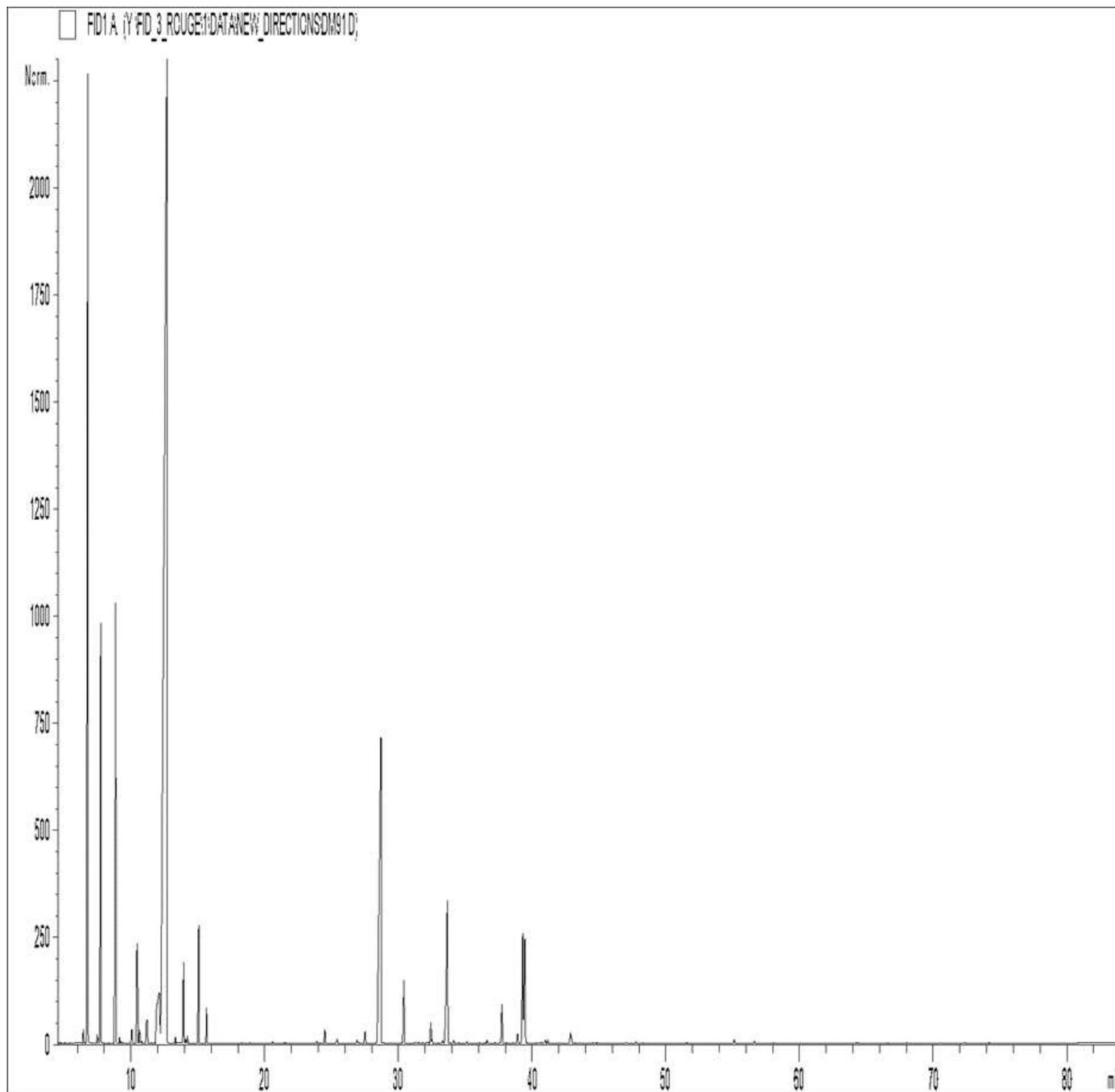


GCMS ANALYSIS

PRODUCT NAME: ROSEMARY ESSENTIAL OIL - CT CINEOLE (TUNISIA) - 11330  
DATE: January 05, 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: ROSEMARY ESSENTIAL OIL - CT CINEOLE (TUNISIA) - 11330

Peak	RT (min)	Compound name	%
1	4,26	ACETONE	0,02
2	6,44	TRICYCLENE	0,16
3	6,77	<b>alpha-PINENE</b>	<b>12,46</b>
4	6,80	alpha-THUYENE	0,30
5	7,49	alpha-FENCHENE	0,10
6	7,73	<b>CAMPHENE</b>	<b>4,36</b>
7	8,85	<b>beta-PINENE</b>	<b>5,74</b>
8	9,14	SABINENE	0,06
9	9,26	PINADIENE	0,02
10	10,05	delta3-CARENE	0,21
11	10,45	<b>beta-MYRCENE</b>	<b>1,61</b>
12	10,64	alpha-PHELLANDRENE	0,20
13	10,77	psi-LIMONENE	0,04
14	11,18	alpha-TERPINENE	0,55
15	11,52	1,8-CINEOLE, 2,3-DEHYDRO-	0,01
16	12,11	<b>LIMONENE</b>	<b>2,56</b>
17	12,71	<b>1,8-CINEOLE</b>	<b>48,89</b>
18	13,33	cis-beta-OCIMENE	0,06
19	13,94	gamma-TERPINENE	0,87
20	14,09	trans-beta-OCIMENE	0,05
21	14,22	3-OCTANONE	0,07
22	15,06	<b>p-CYMENE</b>	<b>1,38</b>
23	15,65	TERPINOLENE	0,38
24	18,28	5-HEPTEN-2-ONE, 6-METHYL-	0,01
25	18,88	1-HEXANOL	0,01
26	20,62	3-HEXEN-1-OL	0,02
27	21,47	FENCHONE	0,01
28	21,62	NONANAL	0,01
29	23,91	alpha-p-DIMETHYLSTYRENE	0,03
30	24,10	LINALOOL cis-OXIDE	0,01

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: ROSEMARY ESSENTIAL OIL - CT CINEOLE (TUNISIA) - 11330

Peak	RT (min)	Compound name	%
31	24,51	1-OCTEN-3-OL	0,18
32	25,38	alpha-CUBEBENE	0,02
33	25,42	trans-THUYANOL	0,06
34	26,92	YLANGENE	0,05
35	27,04	alpha-CAMPHOLENAL	0,01
36	27,52	alpha-COPAENE	0,19
37	28,71	<b>CAMPHOR</b>	<b>9,26</b>
38	28,89	alpha-PINOCAMPHONE	0,03
39	29,44	beta-BOURBONENE	0,01
40	30,40	cis-THUYANOL	0,05
41	30,42	<b>LINALOOL</b>	<b>0,87</b>
42	31,28	PINOCARVONE	0,03
43	31,55	NEOISOPULEGOL	0,02
44	31,77	trans-p-MENTH-2-EN-1-OL	0,02
45	32,08	BORNYL FORMIATE	0,02
46	32,21	ISOPULEGOL	0,02
47	32,43	<b>BORNYL ACETATE</b>	<b>0,31</b>
48	32,53	FENCHOL	0,05
49	33,31	alpha-trans-BERGAMOTENE	0,06
50	33,60	<b>beta-CARYOPHYLLENE</b>	<b>2,63</b>
51	33,67	TERPINENE-4-OL	0,50
52	34,15	AROMADENDRENE	0,05
53	34,51	AROMATIC COMPOUND	0,02
54	35,11	cis-p-MENTH-2-EN-1-OL	0,02
55	36,02	GERMACRENE A	0,02
56	36,64	trans-PINOCARVEOL	0,05
57	37,25	ESTRAGOL	0,02
58	37,70	alpha-HUMULENE	0,25
59	37,75	delta-TERPINEOL	0,40
60	38,03	trans-VERBENOL	0,01

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: ROSEMARY ESSENTIAL OIL - CT CINEOLE (TUNISIA) - 11330

Peak	RT (min)	Compound name	%
61	38,14	E-beta-FARNESENE	0,01
62	38,61	LAVANDULAL	0,02
63	38,92	gamma-MUUROLENE	0,15
64	39,31	<b>alpha-TERPINEOL</b>	<b>1,71</b>
65	39,47	<b>BORNEOL</b>	<b>1,88</b>
66	39,61	<b>VERBENONE</b>	<b>0,01</b>
67	40,28	SESQUITERPENE	0,01
68	40,48	MUUROLENE ISOMER	0,02
69	40,68	alpha-SELINENE	0,02
70	40,98	alpha-MUUROLENE	0,06
71	41,17	beta-BISABOLENE	0,05
72	41,30	BICYCLOGERMACRENE	0,01
73	41,98	trans-PIPERITOL	0,01
74	42,86	delta-CADINENE	0,18
75	42,95	gamma-CADINENE	0,06
76	43,22	CITRONELLOL	0,01
77	43,61	beta-SESQUIPHELLANDRENE	0,01
78	43,80	MENTHADIENOL ISOMER	0,01
79	44,26	CADINA-1,4-DIENE	0,01
80	44,58	MYRTENOL	0,02
81	44,84	alpha-AMORPHENE	0,01
82	46,96	cis-CALAMENENE	0,01
83	47,06	trans-CALAMENENE	0,02
84	47,76	p-CYMENE-8-OL	0,03
85	48,31	E-GERANYL ACETONE	0,01
86	51,57	alpha-CALACORENE	0,01
87	55,11	CARYOPHYLLENE EPOXIDE	0,06
88	56,63	METHYLEUGENOL	0,03
89	58,05	epoxy-6,7-HUMULENE	0,01
90	60,42	cis-1,2-DIHYDROXY-p-MENTH-2-ENE	0,01

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: ROSEMARY ESSENTIAL OIL - CT CINEOLE (TUNISIA) - 11330

Peak	RT (min)	Compound name	%
91	63,54	trans-1,2-DIHYDROXY-p-MENTH-2-ENE	0,01
92	64,22	EUGENOL	0,02
93	64,40	THYMOL	0,02
94	66,58	CARVACROL	0,01
95	68,04	SESQUITERPENIC EPOXIDE	0,01
96	70,55	CARYOPHYLLA-2,6-DIEN-5-alpha-OL	0,01
97	72,34	SESQUITERPENIC EPOXIDE	0,02
		<b>TOTAL</b>	<b>99,99</b>

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