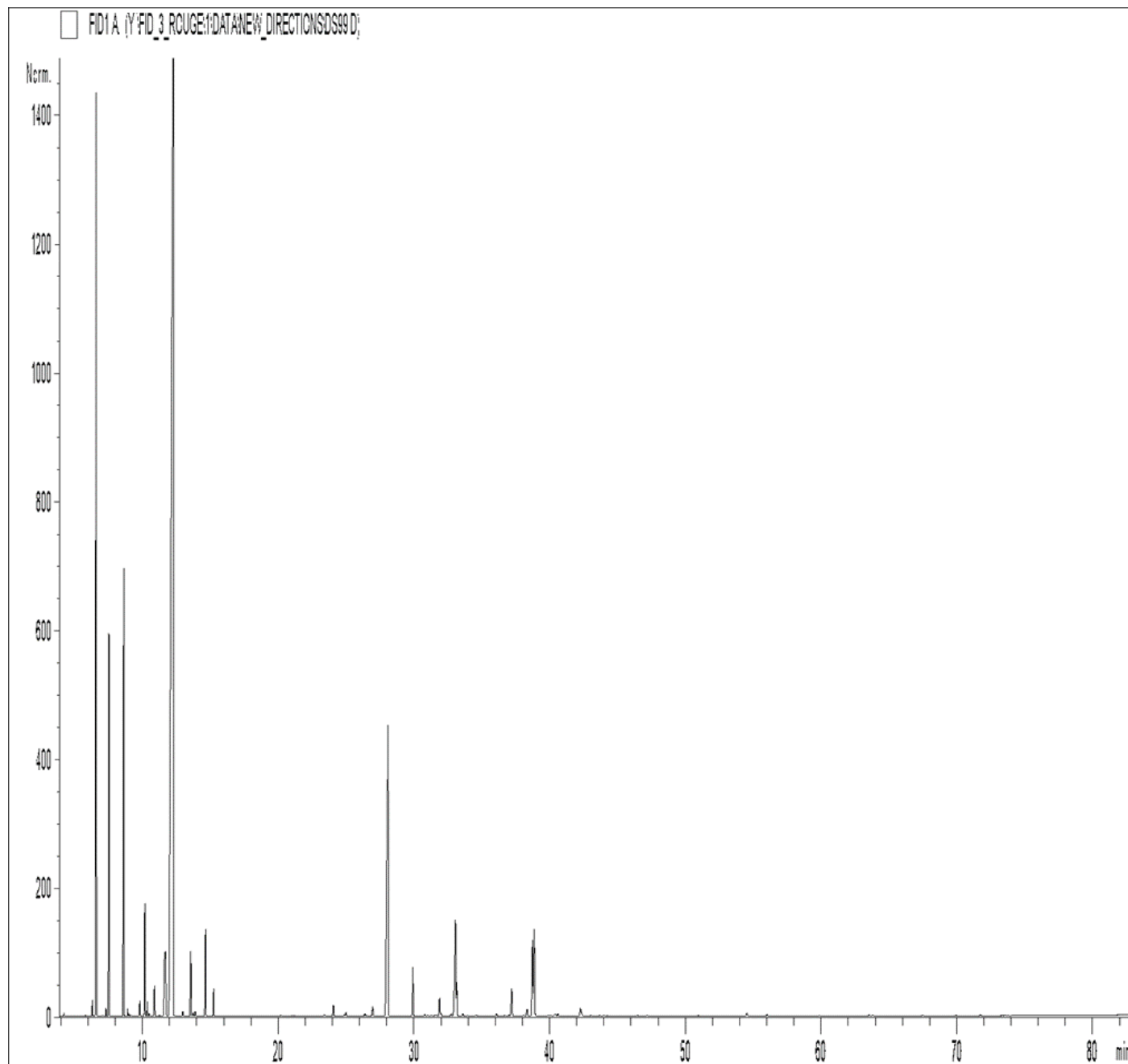


GCMS ANALYSIS

PRODUCT NAME: ROSEMARY ORGANIC ESSENTIAL OIL (TUNISIA) - 50074

DATE: February 02, 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 ORGANIC ESSENTIAL OIL (TUNISIA) - 50074

Peak	RT (min)	Compound name	%
1	4,22	ACETONE	0,02
2	5,81	BORNYLENE	0,01
3	6,31	TRICYCLENE	0,16
4	6,60	<b>alpha-PINENE</b>	<b>11,90</b>
5	6,65	alpha-THUYENE	0,40
6	7,31	alpha-FENCHENE	0,09
7	7,53	<b>CAMPHENE</b>	<b>4,32</b>
8	8,61	<b>beta-PINENE</b>	<b>6,40</b>
9	8,91	SABINENE	0,08
10	9,02	PINADIENE	0,02
11	9,17	THUYADIENE	0,01
12	9,80	delta3-CARENE	0,22
13	10,18	<b>beta-MYRCENE</b>	<b>1,62</b>
14	10,35	alpha-PHELLANDRENE	0,20
15	10,49	psi-LIMONENE	0,04
16	10,87	alpha-TERPINENE	0,54
17	11,24	1,8-CINEOLE, 2,3-DEHYDRO-	0,01
18	11,68	<b>LIMONENE</b>	<b>2,53</b>
19	12,26	<b>1,8-CINEOLE</b>	<b>48,54</b>
20	12,96	cis-beta-OCIMENE	0,06
21	13,54	gamma-TERPINENE	0,91
22	13,72	trans-beta-OCIMENE	0,05
23	13,87	3-OCTANONE	0,07
24	14,64	<b>p-CYMENE</b>	<b>1,30</b>
25	15,24	TERPINOLENE	0,40
26	17,87	5-HEPTEN-2-ONE, 6-METHYL-	0,01
27	18,49	1-HEXANOL	0,01
28	20,19	3-HEXEN-1-OL	0,02
29	21,03	FENCHONE	0,01
30	21,17	NONANAL	0,01

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: ROSEMARY ORGANIC ESSENTIAL OIL (TUNISIA) - 50074

Peak	RT (min)	Compound name	%
31	23,40	alpha-p-DIMETHYLSTYRENE	0,03
32	23,67	LINALOOL cis-OXIDE	0,01
33	24,06	1-OCTEN-3-OL	0,19
34	24,88	alpha-CUBEBENE	0,03
35	24,99	trans-THUYANOL	0,07
36	26,38	YLANGENE	0,05
37	26,53	alpha-CAMPHOLENAL	0,01
38	26,96	alpha-COPAENE	0,20
39	28,09	<b>CAMPHOR</b>	<b>9,32</b>
40	28,39	alpha-PINOCAMPHONE	0,01
41	28,89	beta-BOURBONENE	0,01
42	29,72	cis-THUYANOL	0,01
43	29,92	<b>LINALOOL</b>	<b>0,93</b>
44	30,79	PINOCARVONE	0,03
45	31,00	NEOISOPULEGOL	0,02
46	31,28	trans-p-MENTH-2-EN-1-OL	0,02
47	31,56	BORNYL FORMIATE	0,02
48	31,66	ISOPULEGOL	0,03
49	31,89	<b>BORNYL ACETATE</b>	<b>0,37</b>
50	32,01	FENCHOL	0,04
51	32,75	alpha-trans-BERGAMOTENE	0,06
52	33,06	<b>beta-CARYOPHYLLENE</b>	<b>2,70</b>
53	33,15	TERPINENE-4-OL	0,59
54	33,61	AROMADENDRENE	0,04
55	33,95	MYRTENAL	0,01
56	34,61	cis-p-MENTH-2-EN-1-OL	0,02
57	35,45	GERMACRENE A	0,02
58	36,08	trans-PINOCARVEOL	0,04
59	36,69	ZONARENE	0,02
60	37,01	ESTRAGOL	0,02

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## GCMS ANALYSIS (cont'd.)

PRODUCT NAME: ROSEMARY ORGANIC ESSENTIAL OIL (TUNISIA) - 50074

Peak	RT (min)	Compound name	%
61	37,10	alpha-HUMULENE	0,25
62	37,20	delta-TERPINEOL	0,38
63	37,49	trans-VERBENOL	0,01
64	37,59	E-beta-FARNESENE	0,01
65	38,06	LAVANDULAL	0,02
66	38,34	gamma-MUUROLENE	0,14
67	38,74	<b>alpha-TERPINEOL</b>	<b>1,61</b>
68	38,87	<b>BORNEOL</b>	<b>1,91</b>
69	38,90	<b>VERBENONE</b>	<b>0,01</b>
70	39,89	SESQUITERPENE	0,02
71	40,08	MUUROLENE ISOMER	0,02
72	40,40	alpha-SELINENE	0,03
73	40,42	alpha-MUUROLENE	0,04
74	40,62	beta-BISABOLENE	0,05
75	40,75	BICYCLOGERMACRENE	0,01
76	41,44	trans-PIPERITOL	0,01
77	42,27	delta-CADINENE	0,18
78	42,36	gamma-CADINENE	0,06
79	42,69	CITRONELLOL	0,01
80	43,05	beta-SESQUIPHELLANDRENE	0,01
81	43,23	MENTHADIENOL ISOMER	0,01
82	43,69	CADINA-1,4-DIENE	0,02
83	44,00	MYRTENOL	0,02
84	44,26	alpha-AMORPHENE	0,01
85	46,36	cis-CALAMENENE	0,01
86	46,47	trans-CALAMENENE	0,02
87	47,18	p-CYMENE-8-OL	0,03
88	47,77	E-GERANYL ACETONE	0,01
89	50,95	alpha-CALACORENE	0,01
90	54,54	CARYOPHYLLENE EPOXIDE	0,07

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: ROSEMARY ORGANIC ESSENTIAL OIL (TUNISIA) - 50074

Peak	RT (min)	Compound name	%
91	56,02	METHYLEUGENOL	0,03
92	57,47	epoxy-6,7-HUMULENE	0,01
93	59,87	cis-1,2-DIHYDROXY-p-MENTH-2-ENE	0,01
94	63,55	EUGENOL	0,02
95	63,82	THYMOL	0,02
96	67,48	SESQUITERPENIC EPOXIDE	0,01
97	71,75	CARYOPHYLLA-2,6-DIEN-5-alpha-OL	0,02
		<b>TOTAL</b>	<b>99,99</b>

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