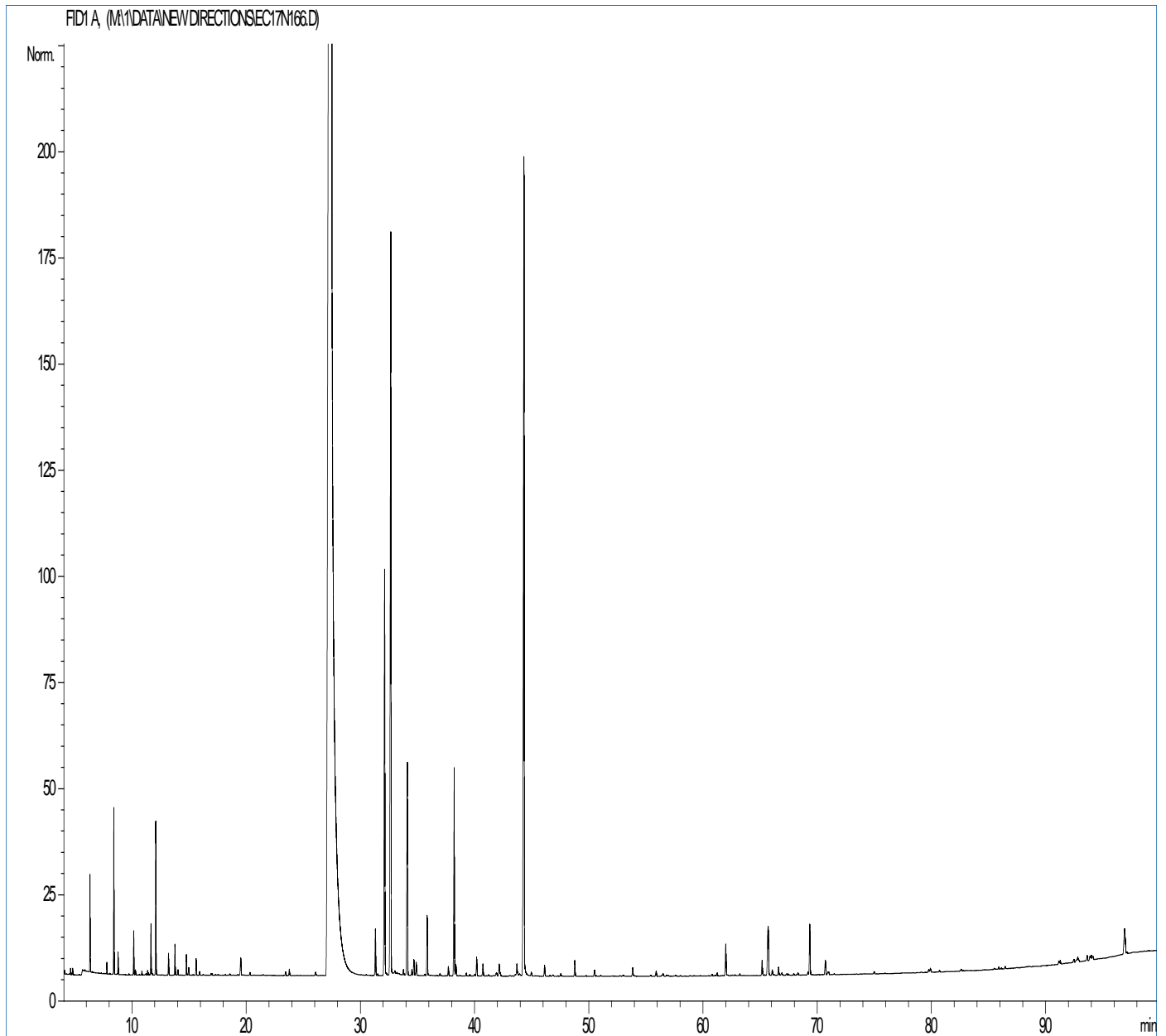




GCMS ANALYSIS

PRODUCT NAME: EUCALYPTUS LEMON ORGANIC ESSENTIAL OIL - 50008

DATE: September 25, 2017



*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: EUCALYPTUS LEMON ORGANIC ESSENTIAL OIL - 50008**

Peak	RT (min)	Compound name	%
1	4,0	ACETONE	0,01
2	4,5	CYCLOPENTANE METHYL ISOMER	0,01
3	4,6	CYCLOPENTANE METHYL ISOMER	0,01
4	4,7	2-METHYL BUTANAL	0,01
5	4,8	ISOVALERALDEHYDE	0,01
6	6,3	$\alpha$ -PINENE	0,27
7	6,4	$\alpha$ -THUYENE	0,05
8	7,7	ISOBUTYL ISOBUTYRATE	0,04
9	8,4	$\beta$ -PINENE	0,56
10	8,7	SABINENE	0,08
11	9,7	$\Delta$ 3-CARENE	0,01
12	10,1	$\beta$ -MYRCENE	0,16
13	10,3	$\alpha$ -PHELLANDRENE	0,02
14	10,8	$\alpha$ -TERPINENE	0,02
15	11,3	ISOAMYL ISOBUTYRATE	0,02
16	11,6	LIMONENE	0,21
17	12,0	1,8-CINEOLE	0,66
18	13,2	Cis- $\beta$ -OCIMENE	0,09
19	13,7	$\gamma$ -TERPINENE	0,14
20	14,0	Trans- $\beta$ -OCIMENE	0,03
21	14,7	3,8-p-MENTHADIENE	0,10
22	14,9	p-CYMENE	0,04
23	15,6	TERPINOLENE	0,08
24	15,9	TERPINENE ISOMER	0,02
25	19,5	ROSE cis-OXIDE	0,12
26	20,3	ROSE trans-OXIDE	0,02
27	23,4	Cis-p-MENTHANE-8-OL	0,02
28	23,7	Trans-p-MENTHANE-8-OL	0,04
29	26,0	ISOMENTHONE	0,03
30	27,5	<b>CITRONELLAL</b>	<b>77,03</b>

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**GCMS ANALYSIS (cont'd.)**
**PRODUCT NAME: EUCALYPTUS LEMON ORGANIC ESSENTIAL OIL - 50008**

Peak	RT (min)	Compound name	%
31	31,3	LINALOOL	0,26
32	32,1	<b>NEOISOPULEGOL</b>	<b>2,54</b>
33	32,6	<b>ISOPULEGOL</b>	<b>5,10</b>
34	33,0	DIHYDROCARVYL ACETATE	0,07
35	33,1	SESQUITERPENE	0,04
36	33,7	$\beta$ -ELEMENE	0,04
37	34,1	$\beta$ -CARYOPHYLLENE	1,39
38	34,5	TERPINENE-4-OL	0,03
39	34,6	ISOPULEGOL ISOMER	0,10
40	34,8	TERPENIC ACETATE	0,07
41	35,8	ISOPULEGOL ISOMER	0,36
42	36,9	ALLO-AROMADENDRENE	0,02
43	37,6	5-HEPTEN-1-OL-2,6-DIMETHYL	0,06
44	38,2	CITRONELLYL ACETATE	1,28
45	38,3	$\alpha$ -HUMULENE	0,08
46	39,3	NERAL	0,02
47	40,1	$\alpha$ -TERPINEOL	0,11
48	40,7	GERMACRENE D	0,08
49	41,8	NERYL ACETATE	0,02
50	41,9	CITRONELLYL ISOVALERATE	0,01
51	42,1	BICYCLOGERMACRENE	0,08
52	42,2	GERANIAL	0,02
53	43,7	$\alpha$ -FARNESENE	0,03
54	43,9	GERANYL ACETATE	0,10
55	44,3	<b>CITRONELLOL</b>	<b>6,08</b>
56	44,9	PHENYLETHYLIC ESTER	0,03
57	46,1	NEROL	0,07
58	46,6	PHENYLETHYLIC ESTER	0,01
59	46,8	ALIPHATIC ESTER	0,03
60	47,5	GERMACRENE B	0,02
61	48,7	GERANIOL	0,09

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: EUCALYPTUS LEMON ORGANIC ESSENTIAL OIL - 50008

Peak	RT (min)	Compound name	%
62	50,5	PHENYLETHYLIC ESTER	0,04
63	53,8	Trans-JASMONE	0,06
64	55,9	CARYOPHYLLENE OXIDE	0,04
65	56,5	TERPERNIC KETONE	0,03
66	61,2	ALIPHATIC ESTER	0,02
67	61,9	TERPENIC ALCOHOL	0,21
68	65,1	EUGENOL	0,10
69	65,7	CITRONELLYL CITRONELLATE	0,50
70	66,0	VINYL GUAIACOL	0,05
71	66,6	ALIPHATIC ESTER	0,04
72	69,3	CITRONELLIC ACID	0,32
73	70,7	CITRONELLYL CITRONELLATE	0,10
74	74,9	GERANYLGERANIOL	0,02
75	96,9	ALIPHATIC ESTER	0,31
		<b>TOTAL</b>	<b>99,99</b>

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