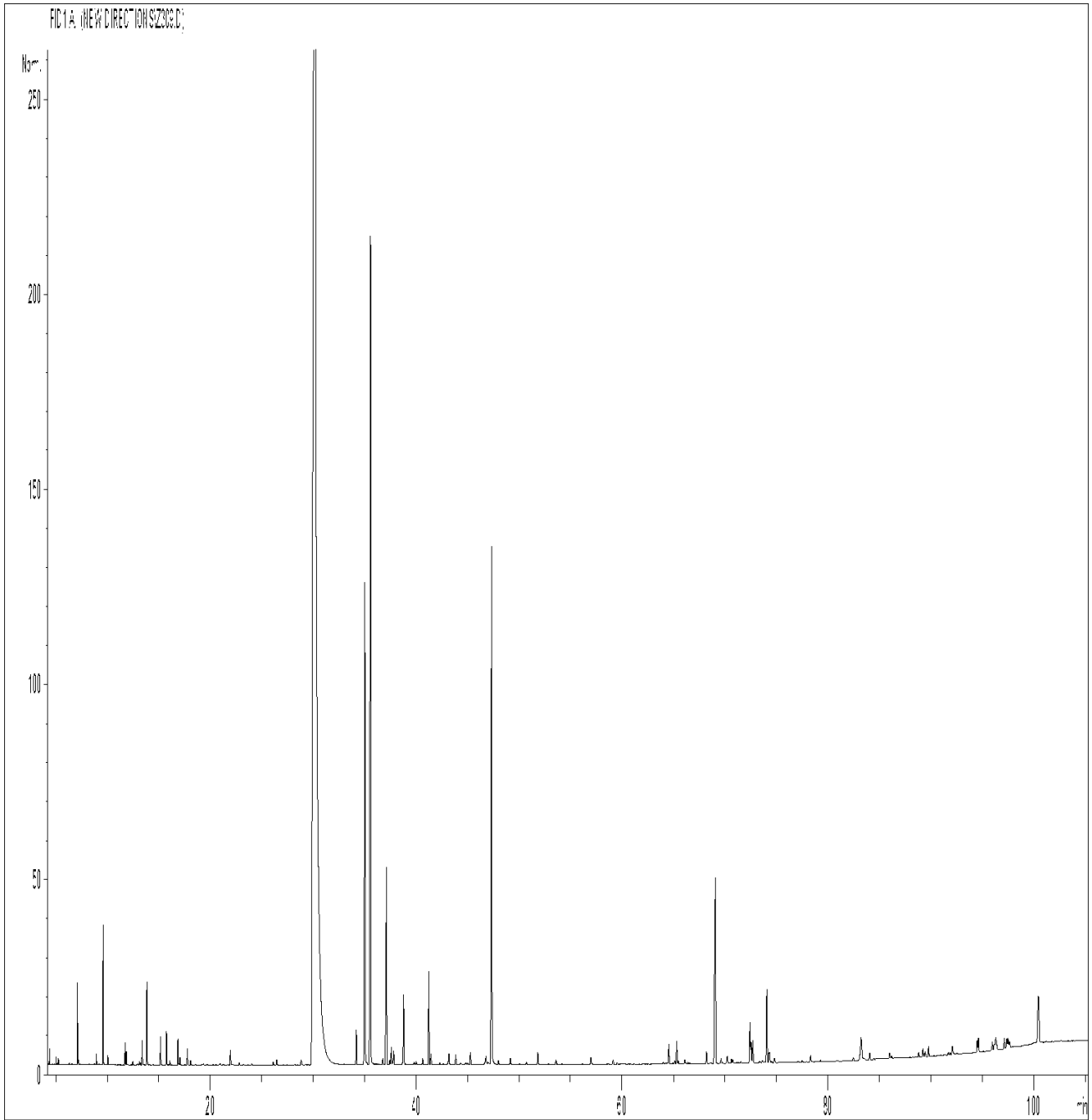


GCMS ANALYSIS

PRODUCT NAME: EUCALYPTUS ORGANIC ESSENTIAL OIL (LEMON) - 50008

DATE: February 18, 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: EUCALYPTUS ORGANIC ESSENTIAL OIL (LEMON) - 50008

Peak	RT (min)	Compound name	%
1	4,39	ACETONE	0,04
2	5,02	CYCLOPENTANE METHYL ISOMER	0,01
3	5,05	CYCLOPENTANE METHYL ISOMER	0,02
4	5,27	ISOVALERALDEHYDE	0,02
5	7,10	alpha-PINENE	0,31
6	7,18	alpha-THUYENE	0,03
7	8,94	ISOBUTYL ISOBUTYRATE	0,04
8	9,58	beta-PINENE	0,67
9	10,04	SABINENE	0,05
10	11,71	beta-MYRCENE	0,12
11	11,83	alpha-PHELLANDRENE	0,07
12	12,47	alpha-TERPINENE	0,02
13	13,11	ISOAMYL ISOBUTYRATE	0,01
14	13,38	LIMONENE	0,14
15	13,84	1,8-CINEOLE + beta-PHELLANDRENE	0,50
16	15,17	Cis-beta-OCIMENE	0,17
17	15,73	gamma-TERPINENE	0,21
18	16,07	Trans-beta-OCIMENE	0,03
19	16,85	3,8-p-MENTHADIENE	0,17
20	17,04	p-CYMENE	0,05
21	17,76	TERPINOLENE	0,11
22	18,08	TERPINENE ISOMER	0,03
23	21,97	ROSE cis-OXIDE + 5-HEPTENAL-2,6-DIMETHYL-	0,12
24	26,12	Cis-p-MENTHANE-8-OL	0,03
25	26,46	Trans-p-MENTHANE-8-OL	0,04
26	28,83	ISOMENTHONE	0,05
27	30,25	CITRONELLAL	67,91
28	34,21	LINALOOL	0,25
29	35,03	NEOISOPULEGOL	4,26
30	35,59	ISOPULEGOL	8,14

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: EUCALYPTUS ORGANIC ESSENTIAL OIL (LEMON) - 50008

Peak	RT (min)	Compound name	%
31	36,78	beta-ELEMENE	0,05
32	37,12	beta-CARYOPHYLLENE	1,71
33	37,46	TERPINENE-4-OL	0,03
34	37,60	ISOPULEGOL ISOMER	0,12
35	37,84	TERPENIC ACETATE	0,09
36	38,80	ISOPULEGOL ISOMER	0,57
37	40,03	ALLO-AROMADENDRENE	0,03
38	40,66	5-HEPTEN-1-OL-2,6-DIMETHYL	0,05
39	41,25	CITRONELLYL ACETATE	0,74
40	41,46	alpha-HUMULENE	0,09
41	42,30	NERAL	0,03
42	43,10	SESQUITERPENE	0,02
43	43,21	alpha-TERPINEOL	0,09
44	43,86	GERMACRENE D	0,09
45	44,30	SESQUITERPENE	0,02
46	44,80	SESQUITERPENE	0,02
47	45,00	CITRONELLYL ISOVALERATE	0,02
48	45,29	BICYCLOGERMACRENE	0,12
49	46,79	GERANYL ACETATE	0,06
50	47,35	CITRONELLOL	4,54
51	48,01	PHENYLETHYLIC ESTER	0,03
52	49,17	NEROL	0,05
53	50,70	GERMACRENE B	0,03
54	51,83	GERANIOL	0,10
55	53,60	PHENYLETHYLIC ESTER	0,04
56	56,99	Trans-JASMONE	0,07
57	59,15	CARYOPHYLLENE OXIDE	0,04
58	64,57	TERPERNIC KETONE	0,17
59	65,33	TERPENIC ALCOHOL	0,19
60	65,48	PRECOCENE II Mw=220	0,03

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: EUCALYPTUS ORGANIC ESSENTIAL OIL (LEMON) - 50008

Peak	RT (min)	Compound name	%
61	66,12	AROMATIC COMPOUND	0,03
62	68,24	EUGENOL	0,10
63	69,10	CITRONELLYL CITRONELLATE	2,64
64	69,66	4-VINYL GUAIACOL	0,04
65	70,25	CITRONELLYL CITRONELLATE	0,08
66	70,65	CITRONELLYL CITRONELLATE	0,04
67	70,80	CITRONELLYL CITRONELLATE	0,03
68	72,44	GERANYL CITRONELLATE	0,36
69	72,55	GERANYL CITRONELLATE	0,19
70	72,73	CITRONELLIC ACID	0,20
71	74,09	CITRONELLYL CITRONELLATE	0,68
72	74,36	CITRONELLYL CITRONELLATE	0,16
73	74,83	CITRONELLYL CITRONELLATE	0,04
74	78,34	GERANYLGERANIOL	0,05
75	83,24	CITRONELLYL CITRONELLATE	0,38
76	84,09	CITRONELLYL CITRONELLATE	0,06
77	88,86	CITRONELLIC ESTER	0,04
78	89,25	CITRONELLIC ESTER	0,07
79	89,47	CITRONELLIC ESTER	0,05
80	89,80	CITRONELLIC ESTER	0,09
81	92,12	CITRONELLIC ESTER	0,08
82	94,53	CITRONELLYL CITRONELLATE	0,11
83	94,65	CITRONELLYL CITRONELLATE	0,13
84	96,00	CITRONELLIC ESTER	0,07
85	96,20	CITRONELLIC ESTER	0,06
86	96,33	CITRONELLIC ESTER	0,14
87	96,40	CITRONELLIC ESTER	0,05
88	97,16	CITRONELLIC ESTER	0,09
89	97,41	CITRONELLIC ESTER	0,10
90	97,53	CITRONELLIC ESTER	0,09

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GCMS ANALYSIS (cont'd)

PRODUCT NAME: EUCALYPTUS ORGANIC ESSENTIAL OIL (LEMON) - 50008

Peak	RT (min)	Compound name	%
91	97,65	CITRONELLIC ESTER	0,08
92	100,47	CITRONELLIC ESTER	0,78
		TOTAL	100,00

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