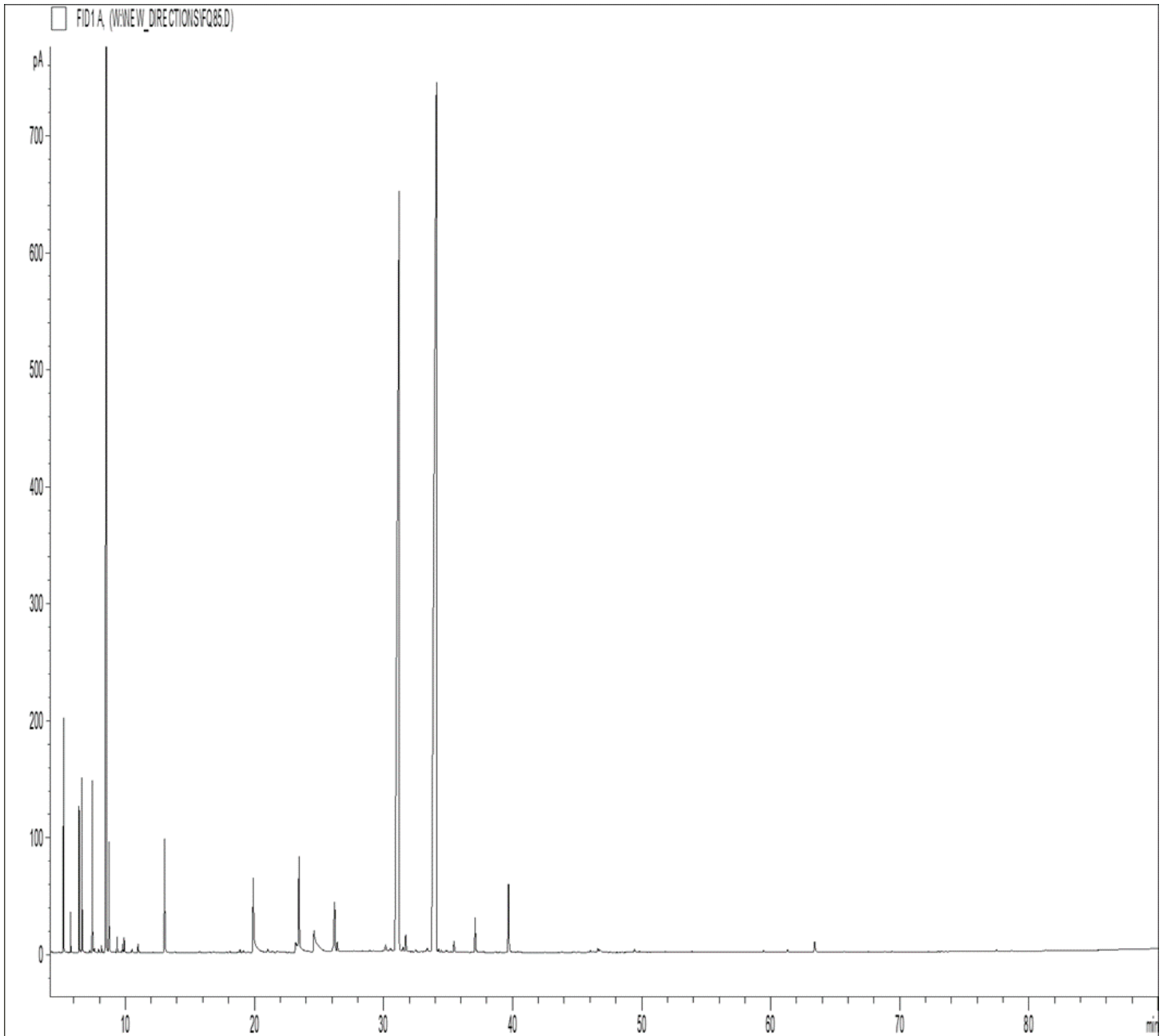


GCMS ANALYSIS

PRODUCT NAME: LITSEA CUBEBA ORGANIC ESSENTIAL OIL - 50048

DATE: September 14, 2023



*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: LITSEA CUBEBA ORGANIC ESSENTIAL OIL - 50048**

Peak	RT (min)	Compound name	%
1	5,22	<b>alpha-PINENE</b>	<b>1,30</b>
2	5,25	alpha-THUYENE	0,06
3	5,77	CAMPHENE	0,27
4	6,42	beta-PINENE	1,05
5	6,64	SABINENE	1,24
6	7,24	delta3-CARENE	0,02
7	7,45	beta-MYRCENE	1,29
8	7,61	alpha-PHELLANDRENE	0,05
9	7,94	alpha-TERPINENE	0,03
10	8,15	1,8-CINEOLE, 2,3-DEHYDRO-	0,06
11	8,52	<b>LIMONENE</b>	<b>12,28</b>
12	8,73	1,8-CINEOLE	1,00
13		beta-PHELLANDRENE	
14	9,37	cis-beta-OCIMENE	0,15
15	9,77	gamma-TERPINENE	0,09
16	9,92	trans-beta-OCIMENE	0,16
17	10,53	p-CYMENE	0,04
18	10,99	TERPINOLENE	0,10
19	13,03	<b>5-HEPTEN-2-ONE, 6-METHYL-</b>	<b>1,33</b>
20	13,80	5-HEPTENAL,2,6-DIMETHYL-	0,01
21	15,76	ROSEFURAN	0,02
22	16,53	ALIPHATIC ESTER	0,01
23	16,85	FENCHONE	0,01
24	18,07	LIMONENE cis-1,2-EPOXIDE	0,02
25	18,73	LIMONENE trans-1,2-EPOXIDE	0,02
26	18,87	5-HEPTEN-2-OL,6-METHYL-	0,04
27	19,13	ALIPHATIC ALCOHOL	0,03
28	19,91	<b>CITRONELLAL</b>	<b>1,78</b>
29	21,03	alpha-COPAENE	0,06
30	21,41	CAMPHRE	0,03

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**GCMS ANALYSIS (cont'd,)**
**PRODUCT NAME: LITSEA CUBEBA ORGANIC ESSENTIAL OIL - 50048**

<b>Peak</b>	<b>RT (min)</b>	<b>Compound name</b>	<b>%</b>
31	21,75	PHOTOCITRAL ISOMERE	0,05
32	23,09	EPIPHOTOCITRAL A	0,87
33	23,45	<b>LINALOOL</b>	<b>1,23</b>
34	24,09	ISOPULEGOL	0,01
35	24,61	EPIPHOTOCITRAL B	1,32
36	25,80	SESQUITERPENE	0,02
37	26,05	beta-ELEMENE	0,06
38	26,20	beta-CARYOPHYLLENE	1,05
39	26,41	TERPINENE-4-OL	0,16
40	27,70	trans-p-2,8-MENTHADIEN-1-OL	0,02
41	28,33	COMPOUND Mw=152	0,01
42	28,93	ALLO-AROMADENDRENE	0,02
43	29,99	5-HEPTEN-1-OL, 2,6-DIMETHYL-	0,02
44	30,16	alpha-HUMULENE	0,13
45	30,35	trans-VERBENOL	0,02
46	30,54	E-beta-FARNESENE	0,09
47	31,21	<b>NERAL</b>	<b>29,98</b>
48	31,34	ALIPHATIC ALCOHOL	0,01
49	31,51	BORNEOL	0,09
50	31,72	alpha-TERPINEOL	0,28
51	32,50	GERMACRENE D	0,03
52	33,19	PIPERITONE	0,02
53	33,38	alpha-MUUROLENE	0,12
54	34,09	<b>GERANIAL</b>	<b>38,98</b>
55	34,28	cis-ISOPIPERITENOL	0,06
56	34,47	trans-ISOPIPERITENOL	0,04
57	34,84	alpha-FARNESENE + delta-CADINENE	0,03
58	34,92	GERANYL ACETATE	0,03
59	35,20	SESQUITERPENE	0,02
60	35,46	<b>CITRONELLOL</b>	<b>0,19</b>

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**GCMS ANALYSIS (cont'd,)**
**PRODUCT NAME: LITSEA CUBEBA ORGANIC ESSENTIAL OIL - 50048**

<b>Peak</b>	<b>RT (min)</b>	<b>Compound name</b>	<b>%</b>
61	37,10	<b>NEROL</b>	<b>0,57</b>
62	37,71	trans-ISOGERANIOL	0,02
63	39,69	<b>GERANIOL</b>	<b>1,16</b>
64	40,12	cis-CARVEOL	0,01
65	40,41	SAFROLE	0,02
66	46,05	HEXENYL ESTER	0,03
67	46,24	ISOCARYOPHYLLENE EPOXIDE	0,02
68	46,60	CARYOPHYLLENE EPOXIDE	0,07
69	46,75	HYDROXY-alpha-TERPENYL ACETATE	0,09
70	49,45	CYCLOHEXENIC ALCOHOL	0,07
71	49,81	CYCLOHEXENIC ALCOHOL	0,02
72	51,82	ALIPHATIC ESTER	0,01
73	53,89	SPATHULENOL	0,02
74	59,44	CITRONELLIC ACID	0,03
75	61,30	NERIC ACID	0,05
76	63,39	GERANIC ACID	0,23
77	64,58	ACID COMPOUND Mw=168	0,01
78	65,68	ACID COMPOUND Mw=168	0,01
79	77,50	AROMATIC COMPOUND Mw=286	0,03
80	81,31	ACID COMPOUND Mw=168	0,02
81	82,10	ACID COMPOUND Mw=168	0,01
		<b>TOTAL</b>	<b>99,97</b>

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