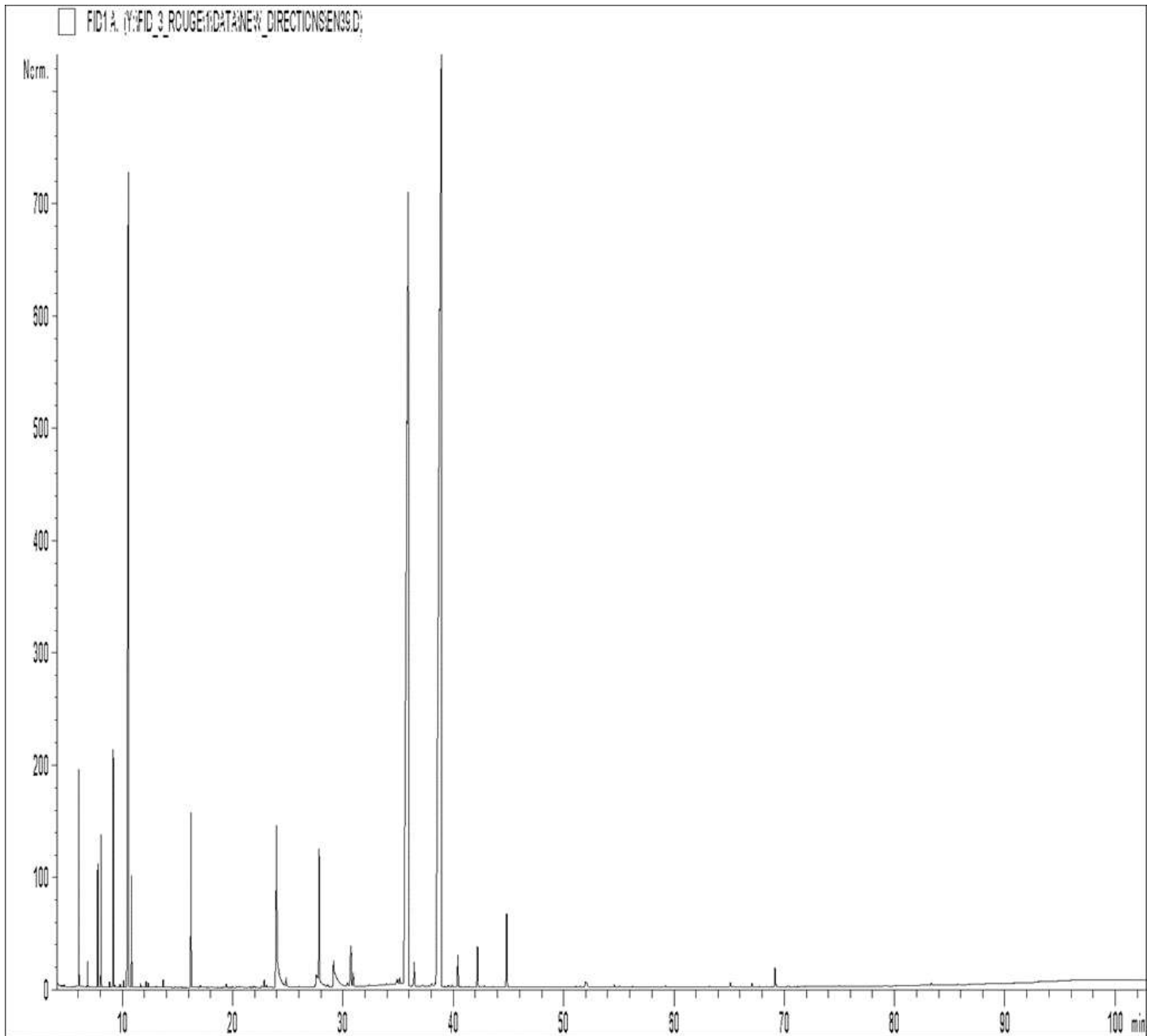


GCMS ANALYSIS

PRODUCT NAME: LITSEA CUBEBA ESSENTIAL OIL - VERIFIED BY ECOCERT/COSMOS APPROVED
DATE: May 07, 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: LITSEA CUBEBA ESSENTIAL OIL - VERIFIED BY ECOCERT/COSMOS APPROVED

Peak	RT (min)	Compound	%
1	4,59	ISOVALERALDEHYDE	0,01
2	4,73	ETHANOL	0,01
3	5,82	TRICYCLENE	0,01
4	6,00	alpha-PINENE	0,96
5	6,04	alpha-THUYENE	0,10
6	6,84	CAMPHENE	0,14
7	7,76	beta-PINENE	0,76
8	8,06	SABINENE	0,92
9	8,82	delta3-CARENE	0,04
10	9,16	beta-MYRCENE	1,60
11	9,32	alpha-PHELLANDRENE	0,03
12	9,77	alpha-TERPINENE	0,02
13	10,12	1,8-CINEOLE,2,3-DEHYDRO-	0,06
14	10,52	LIMONENE	10,29
15	10,83	1,8-CINEOLE	0,84
16		beta-PHELLANDRENE	
17	11,64	cis-beta-OCIMENE	0,03
18	12,14	gamma-TERPINENE	0,05
19	12,33	trans-beta-OCIMENE	0,04
20	12,99	m-CYMENE	0,01
21	13,12	p-CYMENE	0,01
22	13,69	TERPINOLENE	0,07
23	16,22	5-HEPTEN-2-ONE, 6-METHYL-	1,67
24	17,05	5-HEPTENAL,2,6-DIMETHYL-	0,02
25	19,42	ROSEFURAN	0,03
26	20,02	ALIPHATIC ESTER	0,01
27	20,35	FENCHONE	0,02
28	20,43	COMPOUND Mw=152	0,01
29	20,58	cis-p-MENTHANE-8-OL	0,01
30	20,88	trans-p-MENTHANE-8-OL	0,01

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: LITSEA CUBEBA ESSENTIAL OIL - VERIFIED BY ECOCERT/COSMOS APPROVED

Peak	RT (min)	Compound	%
31	21,74	LINALOOL cis-OXIDE	0,01
32	21,92	LIMONENE cis-1,2-EPOXIDE	0,02
33	22,63	LIMONENE trans-1,2-EPOXIDE	0,02
34	22,88	5-HEPTEN-2-OL,6-METHYL-	0,08
35	23,08	trans-THUYANOL	0,03
36	23,34	LINALOOL trans-OXIDE	0,01
37	23,99	CITRONELLAL	3,72
38	24,85	alpha-COPAENE	0,11
39	25,43	CAMPHRE	0,01
40	25,74	BENZALDEHYDE	0,01
41	26,02	PHOTOCITRAL ISOMERE	0,06
42	26,77	SESQUITERPENE	0,01
43	27,31	EPIPHOTOCITRAL A	1,06
44	27,85	LINALOOL	1,47
45	28,59	ISOPULEGOL	0,02
46	28,60	trans-p-MENTH-2-EN-1-OL	0,01
47	28,99	EPIPHOTOCITRAL B	1,30
48	29,15	epsilon-CADINENE	0,13
49	30,40	beta-ELEMENE	0,14
50	30,72	beta-CARYOPHYLLENE	0,79
51	30,92	TERPINENE-4-OL	0,23
52	32,38	trans-p-2,8-MENTHADIEN-1-OL	0,02
53	33,96	MELONOL	0,02
54	34,83	ZONARENE	0,02
55	34,92	alpha-HUMULENE	0,07
56	35,15	delta-TERPINEOL	0,09
57	35,93	NERAL	30,50
58	36,39	BORNEOL	0,06
59	36,45	alpha-TERPINEOL	0,30
60	37,23	GERMACRENE D	0,02

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: LITSEA CUBEBA ESSENTIAL OIL - VERIFIED BY ECOCERT/COSMOS APPROVED

Peak	RT (min)	Compound	%
61	38,05	PIPERITONE	0,04
62	38,41	alpha-MUUROLENE	0,05
63	38,92	GERANIAL	38,90
64	39,26	BICYCLOGERMACRENE	0,02
65	39,51	cis-ISOPIPERITENOL	0,02
66	39,61	trans-ISOPIPERITENOL	0,02
67	39,88	GERANYL ACETATE	0,04
68	40,16	METHYL SALICYLATE	0,01
69	40,42	CITRONELLOL	0,39
70	40,66	beta-SESQUIPELLANDRENE	0,01
71	41,14	trans-p-MENTHA-1,2-DIEN-8-OL	0,01
72	41,42	alpha-AMORPHENE	0,01
73	42,21	NEROL	0,51
74	42,65	cis-ISOGERANIOL	0,02
75	42,84	trans-ISOGERANIOL	0,02
76	43,57	trans-ANETHOL	0,01
77	44,05	trans-CARVEOL	0,01
78	44,83	GERANIOL	0,91
79	45,68	cis-CARVEOL	0,01
80	51,10	HEXENYL ESTER	0,02
81	51,52	ISOCARYOPHYLLENE EPOXIDE	0,02
82	51,97	CARYOPHYLLENE EPOXIDE	0,08
83	52,07	HYDROXY-alpha-TERPENYL ACETATE	0,10
84	54,58	CYCLOHEXENIC ALCOHOL	0,04
85	54,88	epoxy-6,7-HUMULENE	0,01
86	55,08	CYCLOHEXENIC ALCOHOL	0,02
87	55,29	NEROLIDOL	0,02
88	56,21	CHRYSANTHENONE	0,01
89	59,22	SPATHULENOL	0,02
90	63,23	ALIPHATIC ESTER	0,02

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: LITSEA CUBEBA ESSENTIAL OIL - VERIFIED BY ECOCERT/COSMOS APPROVED

Peak	RT (min)	Compound	%
91	65,12	CITRONELIC ACID	0,07
92	65,32	EUDESMA-7(11)-EN-4-OL	0,01
93	66,01	trans-LIMONENE-1,2-DIOL	0,01
94	67,06	NERIC ACID	0,05
95	67,73	ALIPHATIC ESTER	0,01
96	69,15	GERANIC ACID	0,27
97	73,01	SESQUITERPENIC EPOXIDE	0,01
98	74,94	SESQUITERPENOL	0,02
99	83,34	AROMATIC COMPOUND Mw=286	0,03
100	87,45	ACID COMPOUND Mw=168	0,01
101	88,25	ACID COMPOUND Mw=168	0,01
		TOTAL	99,99

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