NEW DIRECTIONS
AROMATICS

GCMS ANALYSIS

PRODUCT NAME: LITSEA CUBEBA ORGANIC ESSENTIAL OIL – 50048
DATE: October 14, 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,

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GCMS ANALYSIS *(cont'd,)*

PRODUCT NAME: LITSEA CUBEBA ORGANIC ESSENTIAL OIL – 50048

Peak	RT (min)	Compound name	%
1	6,74	TRICYCLENE	0,01
2	7,07	**alpha-PINENE**	**1,00**
3	7,15	alpha-THUYENE	0,02
4	7,22	PRENOL	0,01
5	8,32	CAMPHENE	0,23
6	9,74	beta-PINENE	0,82
7	10,22	SABINENE	0,69
8	11,38	delta3-CARENE	0,01
9	12,00	beta-MYRCENE	1,05
10	12,10	alpha-PHELLANDRENE	0,01
11	12,78	alpha-TERPINENE	0,02
12	13,21	1,8-CINEOLE,2,3-DEHYDRO-	0,06
13	13,82	**LIMONENE**	**12,86**
14	14,10	1,8-CINEOLE	1,24
15	14,19	1,3,8-p-MENTHATRIENE	0,03
16	15,60	Cis-beta-OCIMENE	0,03
17	16,19	gamma-TERPINENE	0,05
18	16,53	Trans-beta-OCIMENE	0,02
19	17,57	p-CYMENE	0,02
20	18,29	TERPINOLENE	0,07
21	21,52	4-NONANONE	**1,03**
22		**5-HEPTEN-2-ONE, 6-METHYL-**	
23	22,52	5-HEPTENAL,2,6-DIMETHYL-	0,01
24	25,64	ANISALDEHYDE TRIMETHYL	0,02
25	26,03	COMPOUND Mw=152	0,02
26	26,41	COMPOUND Mw=152	0,02
27	26,73	PERILLENE	0,02
28	28,16	LIMONENE Cis-1,2-EPOXIDE	0,03
29	28,96	LIMONENE trans-1,2-EPOXIDE	0,03
30	29,31	5-HEPTEN-2-OL,6-METHYL-	0,05

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GCMS ANALYSIS *(cont'd,)*

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Peak	RT (min)	Compound name	%
31	30,45	**CITRONELLAL**	**0,90**
32	31,21	alpha-COPAENE	0,09
33	32,13	CAMPHRE	0,01
34	32,44	ALIPHATIC ALCOHOL	0,01
35	34,47	EPIPHOTOCITRAL A	0,84
36	34,71	**LINALOOL**	**1,33**
37	36,36	EPIPHOTOCITRAL B	1,04
38	37,12	alpha-trans-BERGAMOTENE	0,02
39	37,33	beta-ELEMENE	0,10
40	37,71	beta-CARYOPHYLLENE	0,92
41	37,99	TERPINENE-4-OL	0,15
42	38,26	COMPOUND Mw=166	0,04
43	39,55	cis-2,8-MENTHADIEN-1-OL	0,03
44	42,11	alpha-HUMULENE	0,09
45	42,26	E-beta-FARNESENE	0,08
46	43,11	**NERAL**	**32,24**
47	43,26	TERPENYL ACETATE	0,07
48	43,74	alpha-TERPINEOL	0,48
49	43,95	GERANYL FORMIATE	0,07
50	44,46	GERMACRENE D	0,03
51	45,03	PIPERITONE	0,03
52	45,33	alpha-MUUROLENE	0,05
53	46,18	**GERANIAL**	**39,62**
54	47,02	Trans-ISOPIPERITENOL	0,03
55	47,37	GERANYL ACETATE	0,05
56	47,68	delta-CADINENE	0,02
57	47,83	**CITRONELLOL**	**0,12**
58	48,72	PERILLALDEHYDE	0,03
59	49,76	**NEROL**	**0,46**
60	50,26	Cis-ISOGERANIOL	0,01

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GCMS ANALYSIS *(cont'd,)*

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Peak	RT (min)	Compound name	%
61	50,50	Trans-ISOGERANIOL	0,01
62	51,70	Trans-CARVEOL	0,01
63	52,40	**GERANIOL**	**0,91**
64	59,09	ISOCARYOPHYLLENE EPOXIDE	0,02
65	59,59	CARYOPHYLLENE EPOXIDE	0,08
66	59,76	HYDROXY-alpha-TERPENYL ACETATE	0,06
67	62,22	HYDROXY TERPENIC COMPOUND	0,05
68	62,75	HYDROXY TERPENIC COMPOUND	0,03
69	66,85	SPATHULENOL	0,03
70	73,10	CITRONELLIC ACID	0,02
71	75,16	NERIC ACID	0,06
72	77,23	GERANIC ACID	0,21
73	79,58	AROMATIC COMPOUND	0,01
74	90,84	AROMATIC COMPOUND	0,01
75	94,97	AROMATIC COMPOUND	0,01
		TOTAL	**99,96**

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