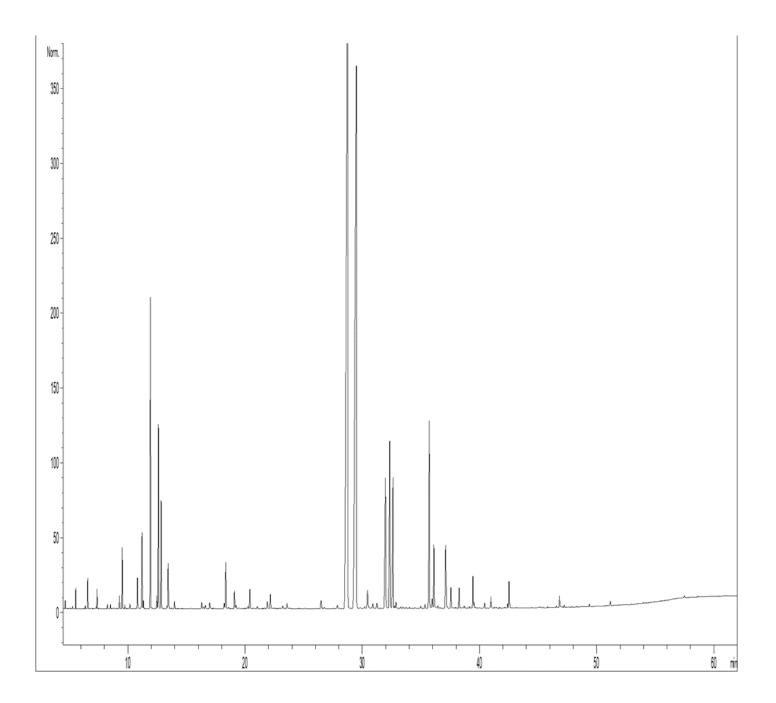


GCMS ANALYSIS

PRODUCT NAME: LAVENDER ESSENTIAL OIL (BULGARIA) - VERIFIED BY ECOCERT/COSMOS

APPROVED **-** 11168 DATE: April 20, 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.



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Peak	RT (min)	Compound name	%
1	4,65	ACETONE	0,07
2	5,29	ISOVALERALDEHYDE	0,03
3	5,55	HEXANE, 1-METHOXY-	0,18
4	6,36	TRICYCLENE	0,03
5	6,56	alpha-PINENE	0.44
6		alpha-THUYENE	0,41
7	7,29	BUTYL ACETATE	0,02
8	7,36	CAMPHENE	0,23
9	8,25	beta-PINENE	0,06
10	8,51	SABINENE	0,06
11	8,80	THUYADIENE	0,01
12	9,27	delta3-CARENE	0,17
13	9,51	beta-MYRCENE	0,80
14	9,73	alpha-PHELLANDRENE	0,06
15	10,17	alpha-TERPINENE	0,07
16	10,81	LIMONENE	0,49
17	11,20	1,8-CINEOLE	1,50
18		beta-PHELLANDRENE	1,50
19	11,32	BUTYL BUTYRATE	0,12
20	11,92	cis-beta-OCIMENE	5,03
21	12,32	trans-ARBUSCULON	0,01
22	12,46	gamma-TERPINENE	0,21
23	12,60	trans-beta-OCIMENE	2,95
24	12,83	3-OCTANONE	1,71
25	13,32	m-CYMENE	0,05
26	13,43	HEXYL ACETATE	0,88
27		p-CYMENE	0,00
28	13,72	ISOTERPINOLENE	0,01
29	13,98	TERPINOLENE	0,13
30	16,29	3-OCTANOL ACETATE	0,12

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Peak	RT (min)	Compound name	%
31	16,45	HEXYL PROPIONATE	0,04
32	16,43	HEXYL METHYLPROPIONATE	0,07
33	16,98	1-HEXANOL	0,12
34	18,22	ALLO-OCIMENE	0,12
35	18,36	1-OCTEN-3-YL ACETATE	0,90
36	18,57	3-HEXEN-1-OL	0,03
37	19,09	3-OCTANOL	0,03
38	19,09	GALBANOLENE	0,07
39	19,53	ROSEFURAN	0,02
40	20,26	BUTYL CAPROATE	0,02
41	20,20	HEXYL BUTYRATE	0,40
42	21,05	HEXYL 2-METHYLBUTYRATE	0,40
43	21,90	LINALOOL cis-OXIDE	0,16
44	22,16	1-OCTEN-3-OL	0,31
45	23,22	trans-THUYANOL	0,06
46	23,59	LINALOOL trans-OXIDE	0,12
47	23,88	NERYL OXIDE	0,01
48	25,10	OCTYL ACETATE	0,01
49	26,49	CAMPHOR	0,24
50	26,77	alpha-COPAENE	0,04
51	27,88	beta-BOURBONENE	0,09
52	28,76	LINALOOL	32,47
53	29,49	LINALYL ACETATE	25,64
54	29,57	BERGAMOTENE ISOMER	0,03
55	29,83	trans-p-MENTH-2-EN-1-OL	0,02
56	30,21	BORNYL FORMATE	0,04
57	30,45	alpha-SANTALENE	0,45
58	30,53	alpha-cis-BERGAMOTENE	0,04
59	30,78	epsilon-CADINENE	0,01
60	30,90	BORNYL ACETATE	0,12

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Peak	RT (min)	Compound name	%
61	31,26	alpha-trans-BERGAMOTENE	0,13
62	31,98	beta-CARYOPHYLLENE	3,63
63	32,35	TERPINENE-4-OL	4,11
64	32,63	LAVANDULYL ACETATE	3,13
65	32,77	AROMADENDRENE	0,05
66	32,88	HEXYL CAPROATE	0,13
67	33,28	HEXYL TIGLATE	0,04
68	33,46	cis-p-MENTH-2-EN-1-OL	0,03
69	33,74	epi-beta-SANTALENE	0,03
70	34,02	GERMACRENE A	0,03
71	34,28	beta-SANTALENE	0,01
72	34,51	FARNESENE ISOMER	0,03
73	34,99	FARNESENE ISOMER	0,05
74	35,36	CRYPTONE	0,08
75	35,72	E-beta-FARNESENE	4,24
76	35,97	alpha-HUMULENE	0,24
77	36,12	LAVANDULOL	1,28
78	36,45	Z-beta-FARNESENE	0,07
79	36,64	gamma-MUUROLENE	0,02
80	37,11	alpha-TERPINEOL	1,14
81	37,15	BORNEOL	0,68
82	37,57	GERMACRENE D	0,45
83	37,95	SESQUITERPENE	0,01
84	38,05	MENTHADIENOL ISOMER	0,01
85	38,26	NERYL ACETATE	0,40
86	38,43	PHELLANDRAL	0,02
87	38,56	LINALOOL PYRANOID cis-OXIDE	0,01
88	38,70	beta-BISABOLENE	0,06
89	39,03	cis-PIPERITOL	0,02
90	39,16	beta-CURCUMENE	0,03

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Peak	RT (min)	Compound name	%
91	39,44	GERANYL ACETATE	0,54
92	39,54	gamma-CADINENE	0,13
93	39,63	LINALOOL PYRANOID trans-OXIDE	0,02
94	39,97	beta-SESQUIPHELLANDRENE	0,02
95	40,44	CUMINAL	0,11
96	40,98	NEROL	0,23
97	41,29	cis-EPOXYLINALYL ACETATE	0,02
98	41,48	trans-EPOXYLINALYL ACETATE	0,02
99	41,74	3,5,7-OCTATRIENE-2-OL, E,E-2,6-DIMETHYL-	0,02
100	42,19	trans-CARVEOL	0,02
101	42,41	m-CYMENE-8-OL	0,08
102	42,52	GERANIOL	0,46
103	42,59	p-CYMENE-8-OL	0,06
104	43,13	PHENYLMETHYL BUTYRATE	0,02
105	45,07	HUMULENE EPOXIDE	0,02
106	45,17	PIPERITENONE	0,02
107	45,42	DENDROLASIN	0,02
108	45,82	3,7-OCTADIENE,2,6-DIOL, 2,6-DIMETHYL	0,02
109	46,56	ISOCARYOPHYLLENE EPOXIDE	0,03
110	46,82	CARYOPHYLLENE EPOXIDE	0,22
111	47,23	alpha-PHOTOSANTALOL A	0,04
112	47,89	NEROLIDOL	0,01
113	49,39	CUMINOL	0,04
114	51,17	T-CADINOL	0,09
115	52,54	GERANYL-p-CYMENE	0,01
116	57,49	COUMARIN	0,05
		TOTAL	99,99

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