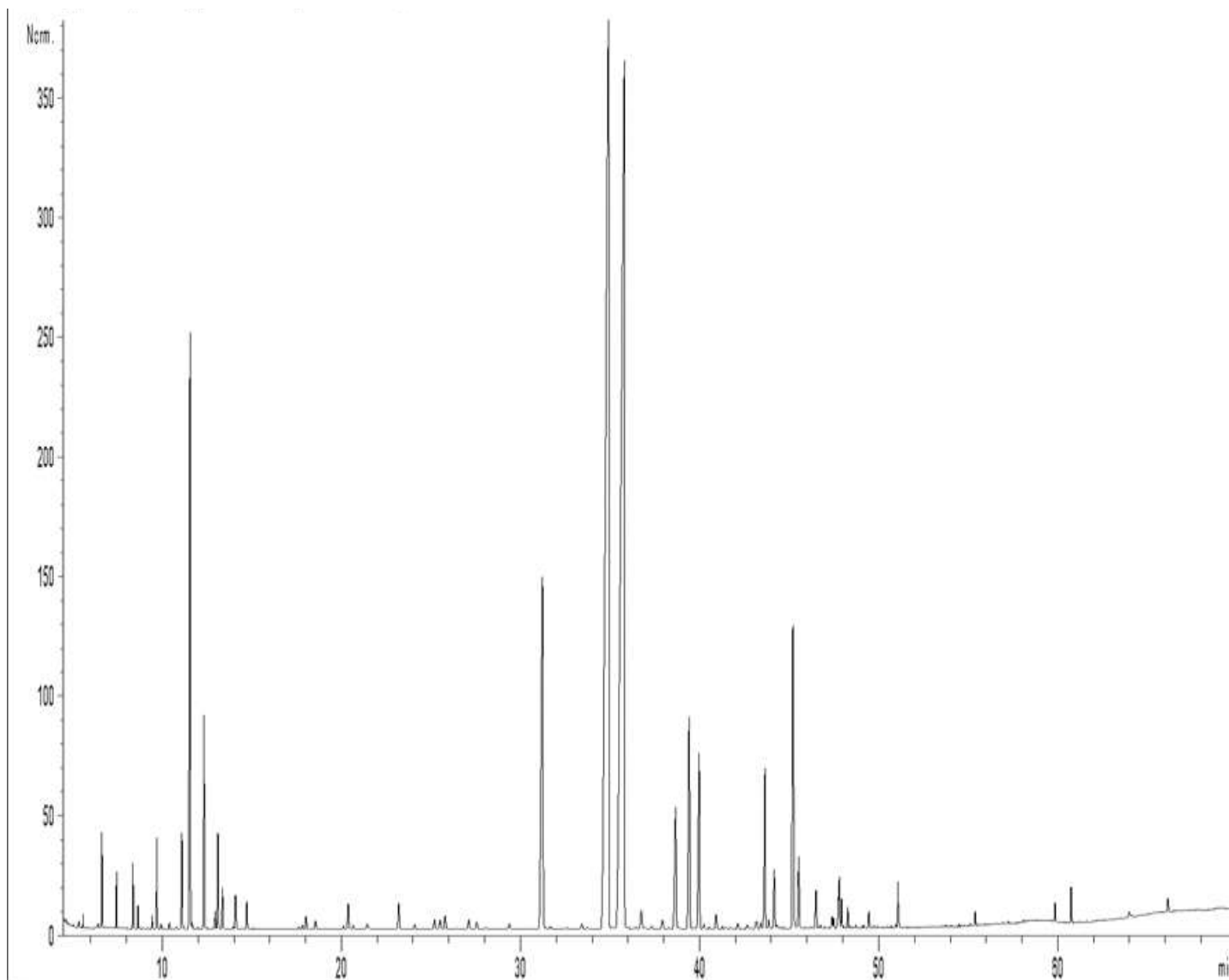


## GCMS ANALYSIS

PRODUCT NAME: LAVENDER ESSENTIAL OIL - 40/42 -VERIFIED BY ECOCERT/COSMOS  
APPROVED- 11077

DATE: 23 April,2021



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Peak	RT (min)	Compound name	%
1	4,66	ACETONE	0,02
2	5,04	FURAN, 2-METHYL	0,01
3	5,33	BUTANAL, 2-METHYL	0,02
4	5,35	ISOVALERALDEHYDE	0,03
5	5,59	1-METHOXY HEXANE	0,06
6	6,42	TRICYCLENE	0,03
7	6,62	alpha-PINENE	0,46
8	6,65	alpha-THUYENE	0,08
9	7,40	BUTYL ACETATE	0,02
10	7,45	CAMPHENE	0,28
11	8,37	beta-PINENE	0,40
12	8,65	SABINENE	0,14
13	9,44	delta3-CARENE	0,09
14	9,70	<b>beta-MYRCENE</b>	<b>0,60</b>
15	9,93	alpha-PHELLANDRENE	0,04
16	10,40	alpha-TERPINENE	0,05
17	10,79	1,8-CINEOLE, 2,3-DEHYDRO-	0,01
18	11,09	<b>LIMONENE</b>	<b>0,74</b>
19	11,56	<b>1,8-CINEOLE</b>	<b>5,26</b>
20		<b>beta-PHELLANDRENE</b>	
21	11,67	BUTYL BUTYRATE	0,05
22	12,33	<b>cis-beta-OCIMENE</b>	<b>1,69</b>
23	12,78	ARBUSCULON ISOMER	0,02
24	12,95	gamma-TERPINENE	0,16
25	13,11	<b>trans-beta-OCIMENE</b>	<b>0,80</b>
26	13,36	<b>3-OCTANONE</b>	<b>0,35</b>
27	13,95	m-CYMENE	0,16
28	14,05	HEXYL ACETATE	0,20
29	14,15	p-CYMENE	0,13
30	14,42	ISOTERPINOLENE	0,01

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Peak	RT (min)	Compound name	%
31	14,72	TERPINOLENE	0,25
32	17,64	3-OCTANOL ACETATE	0,02
33	17,84	HEXYL PROPIONATE	0,05
34	18,04	HEXYL METHYLPROPIONATE	0,14
35	18,55	1-HEXANOL	0,11
36	20,12	ALLO-OCIMENE	0,04
37	20,39	1-OCTEN-3-YL ACETATE	0,30
38	20,67	3-HEXEN-1-OL	0,05
39	21,43	3-OCTANOL	0,06
40	21,48	GALBANOLENE	0,03
41	22,99	BUTYL CAPROATE	0,01
42	23,21	<b>HEXYL BUTYRATE</b>	<b>0,36</b>
43	23,68	HEXENYLIC ESTER	0,01
44	24,10	HEXYL 2-METHYLBUTYRATE	0,06
45	24,80	alpha-p-DIMETHYSTYRENE	0,01
46	25,21	LINALOOL cis-OXIDE	0,14
47	25,52	1-OCTEN-3-OL	0,12
48	25,79	HEXYL 3-METHYLBUTYRATE	0,19
49	26,47	CAMPHENILONE	0,02
50	27,12	trans-THUYANOL	0,13
51	27,55	LINALOOL trans-OXIDE	0,11
52	28,09	OCTYL ACETATE	0,02
53	29,38	DAUCENE	0,09
54	31,23	<b>CAMPHOR</b>	<b>6,50</b>
55	31,66	beta-BOURBONENE	0,05
56	32,59	alpha-GURJUNENE	0,02
57	33,43	BERGAMOTENE ISOMER	0,09
58	33,73	beta1-CUBEBENE	0,03
59	34,92	<b>LINALOOL</b>	<b>30,10</b>
60	35,00	cis-THUYANOL	0,06

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Peak	RT (min)	Compound name	%
61	35,80	<b>LINALYL ACETATE</b>	<b>29,49</b>
62	35,84	BERGAMOTENE ISOMER	0,05
63	36,04	BORNYL FORMATE	0,03
64	36,48	alpha-cis-BERGAMOTENE	0,04
65	36,75	alpha-SANTALENE	0,31
66	36,96	epsilon-CADINENE	0,03
67	37,34	BORNYL ACETATE	0,06
68	37,92	alpha-trans-BERGAMOTENE	0,18
69	38,28	beta-ELEMENE	0,03
70	38,66	beta-CARYOPHYLLENE	2,00
71	39,42	<b>TERPINENE-4-OL</b>	<b>3,01</b>
72	39,68	TERPENIC ESTER	0,02
73	39,98	<b>LAVANDULYL ACETATE</b>	<b>2,33</b>
74	40,24	HEXYL CAPROATE	0,07
75	40,55	AROMADENDRENE	0,02
76	40,92	HEXYL TIGLATE	0,18
77	41,28	beta-SANTALENE	0,03
78	41,72	GERMACRENE A	0,03
79	42,12	FARNESENE ISOMER	0,07
80	42,66	FARNESENE ISOMER	0,05
81	43,14	ZONARENE	0,04
82	43,18	alpha-HUMULENE	0,10
83	43,41	delta-TERPINEOL	0,08
84	43,65	E-beta-FARNESENE	1,76
85	43,86	LAVANDULYL ISOBUTYRATE	0,12
86	44,16	<b>LAVANDULOL</b>	<b>0,69</b>
87	44,33	Z-beta-FARNESENE	0,06
88	45,20	<b>BORNEOL</b>	<b>2,65</b>
89	45,54	<b>alpha-TERPINEOL</b>	<b>1,07</b>
90	45,54	GERMACRENE D	0,79

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Peak	RT (min)	Compound name	%
91	46,19	PHELLANDRAL	0,02
92	46,30	PIPERITONE	0,01
93	46,50	NERYL ACETATE	0,28
94	46,55	beta-BISABOLENE	0,20
95	46,65	CARVONE	0,03
96	46,77	BICYCLOGERMACRENE	0,04
97	46,99	beta-CURCUMENE	0,02
98	47,40	LAVANDULYL BUTYRATE	0,11
99	47,48	alpha-FARNESENE	0,08
100	47,75	gamma-CADINENE	0,26
101	47,81	GERANYL ACETATE	0,43
102	47,93	LAVANDULYL METHYLBUTYRATE	0,25
103	48,02	LINALOOL PYRANIC trans-OXYDE	0,02
104	48,28	beta-SESQUIPELLANDRENE	0,18
105	48,37	alpha-CURCUMENE	0,02
106	48,43	CUMINAL	0,02
107	48,72	alpha-BISABOLENE	0,03
108	49,10	MYRTENOL	0,02
109	49,19	CAMPHOLENOL	0,03
110	49,45	NEROL	0,15
111	49,75	Cis-Epoxy-LINALYL ACETATE	0,03
112	49,95	Trans-Epoxy-LINALYL ACETATE	0,02
113	50,28	E,E-DIMETHYL-3,5,7-OCTATRIENE-2-OL	0,01
114	50,51	CALAMENENE	0,02
115	50,69	trans-CARVEOL	0,02
116	50,95	m-CYMENE-8-OL	0,03
117	51,00	p-CYMENE-8-OL	0,05
118	51,08	GERANIOL	0,37
119	53,79	HUMULENE EPOXIDE	0,01
120	54,48	3,7-OCTADIENE-2,6-DIOL, 2,6-DIMETHYL	0,02

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Peak	RT (min)	Compound name	%
121	55,12	ISOCARYOPHYLLENE EPOXIDE	0,02
122	55,39	CARYOPHYLLENE EPOXIDE	0,12
123	55,62	alpha-PHOTOSANTALOL A	0,02
124	57,25	CUBENOL	0,02
125	58,07	CUMINOL	0,02
126	59,85	T-CADINOL	0,14
127	60,75	alpha-BISABOLOL	0,26
128	66,15	COUMARIN	0,14
		<b>TOTAL</b>	<b>99,99</b>

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