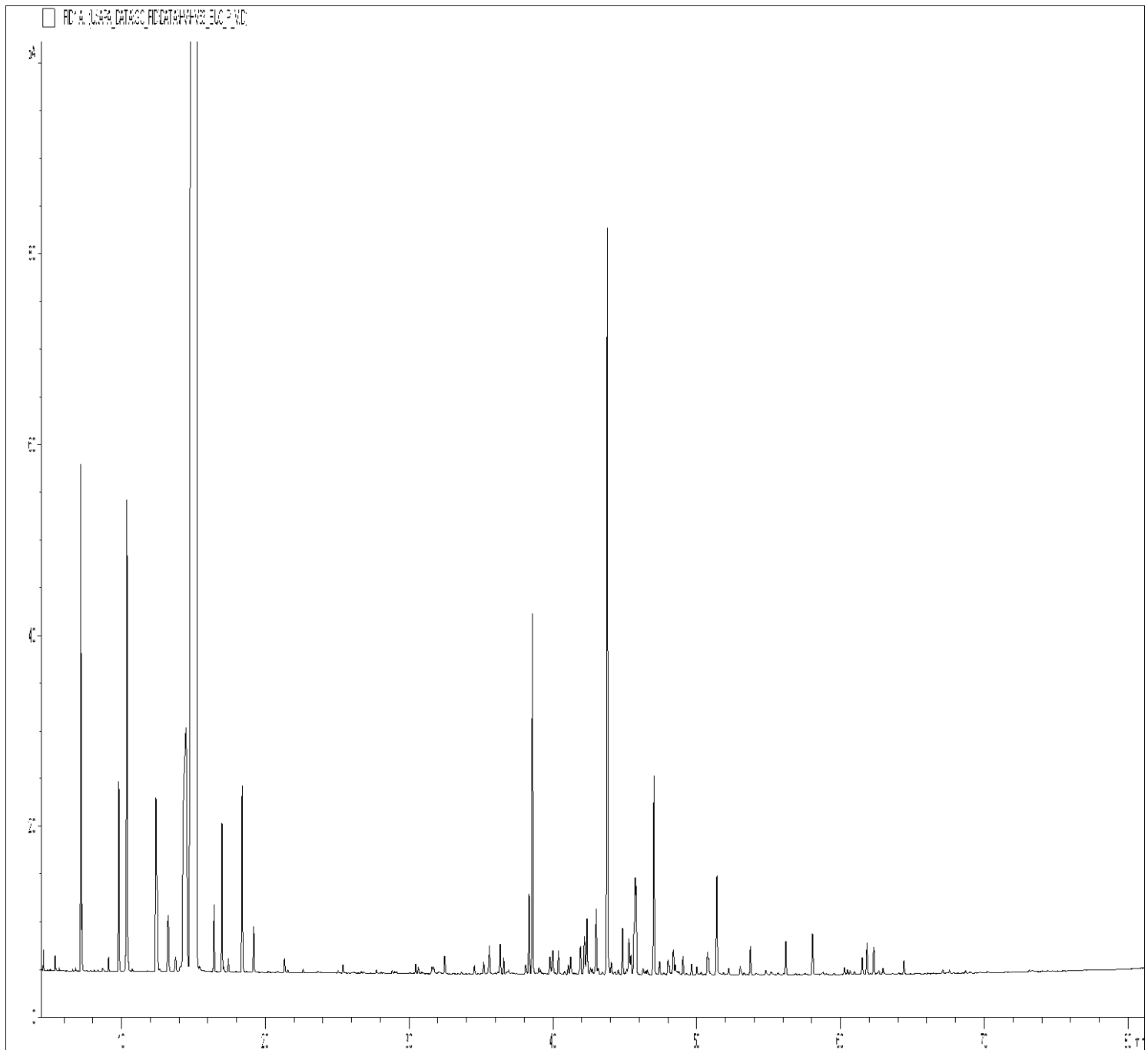


GCMS ANALYSIS

PRODUCT NAME: EUCALYPTUS ESSENTIAL OIL (BLUE MALLEE) - 11238

DATE: July 08, 2022



*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: EUCALYPTUS ESSENTIAL OIL (BLUE MALLEE) - 11238

Peak	RT (min)	Compound	%
1	4.57	ACETONE	0.02
2	5.38	ISOVALERALDEHYDE	0.02
3	7.17	<b>alpha-PINENE</b>	<b>0.80</b>
4	7.24	alpha-THUYENE	0.10
5	9.10	ISOBUTYL ISOBUTYRATE	0.03
6	9.80	beta-PINENE	0.42
7	10.29	ISOAMYL ACETATE	0.03
8	10.37	<b>SABINENE</b>	<b>1.05</b>
9	10.47	PINADIENE	0.02
10	12.39	beta-MYRCENE	0.52
11	12.47	<b>alpha-PHELLANDRENE</b>	<b>0.21</b>
12	12.66	psi-LIMONENE	0.01
13	13.23	alpha-TERPINENE	0.21
14	13.75	1,8-CINEOLE, 2,3-DEHYDRO-	0.05
15	14.18	AMYL ISOBUTYRATE	0.03
16	14.47	<b>LIMONENE</b>	<b>2.28</b>
17	15.24	<b>1,8-CINEOLE</b>	<b>85.66</b>
18	15.42	1,3,8-p-MENTHATRIENE	0.02
19	16.43	cis-beta-OCIMENE	0.14
20	16.98	gamma-TERPINENE	0.32
21	17.10	MENTHATRIENE ISOMER	0.01
22	17.42	trans-beta-OCIMENE	0.03
23	18.38	<b>p-CYMENE</b>	<b>0.43</b>
24	19.18	TERPINOLENE	0.11
25	21.33	3-HEXEN-1-OL ACETATE	0.03
26	25.39	3-HEXEN-1-OL	0.02
27	28.81	alpha,p-DIMETHYLSTYRENE	0.01
28	30.45	alpha-CUBEBENE	0.02
29	30.63	trans-THUYANOL	0.02
30	31.59	CITRONELLAL	0.02

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: EUCALYPTUS ESSENTIAL OIL (BLUE MALLEE) - 11238

Peak	RT (min)	Compound	%
31	31.71	BICYCLOELEMENE	0.02
32	32.47	alpha-COPAENE	0.04
33	34.54	beta1-CUBEBENE	0.02
34	35.19	cis-THUYANOL	0.03
35	35.59	LINALOOL	0.08
36	36.34	PINOCARVONE	0.08
37	36.58	trans-p-MENTH-2-EN-1-OL	0.04
38	36.94	COMPOUND Mw=138	0.02
39	38.10	beta-ELEMENE	0.03
40	38.35	beta-CARYOPHYLLENE	0.20
41	38.58	TERPINENE-4-OL	0.89
42	39.03	AROMADENDRENE	0.01
43	39.79	cis-p-MENTHA-2,8-DIEN-1-OL	0.05
44	40.00	MYRTENAL	0.06
45	40.20	SABINAKETONE	0.02
46	40.40	CADINA-3,5-DIENE	0.06
47	41.07	ALLO-AROMADENDRENE	0.03
48	41.24	trans-PINOCARVEOL	0.05
49	41.93	ZONARENE	0.08
50	42.20	CRYPTONE	0.07
51	42.25	alpha-HUMULENE	0.06
52	42.38	delta-TERPINEOL	0.17
53	42.61	trans-VERBENOL	0.02
54	42.73	2-OXOCINEOLE	0.02
55	43.02	NERAL	0.18
56	43.16	LAVANDULAL	0.02
57	43.79	alpha-TERPINEOL	2.05
58		TERPENYL ACETATE	
59	44.06	VERBENONE	0.04
60	44.56	p-MENTHA-1(7),2-DIEN-8-OL	0.01

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: EUCALYPTUS ESSENTIAL OIL (BLUE MALLEE) - 11238

Peak	RT (min)	Compound	%
61	44.85	MUROLADIENE ISOMER	0.12
62	45.14	PELLANDRAL	0.02
63	45.28	EXO-2-HYDROXYCINEOLE ACETATE	0.15
64	45.43	PIPERITONE	0.05
65	45.65	alpha-MUROLENE	0.10
66	45.73	GERANIAL	0.27
67	45.80	BICYCLOGERMACRENE	0.21
68	46.27	trans-PIPERITOL	0.02
69	46.57	trans-ISOPIPERITENOL	0.01
70	46.95	GERANYL ACETATE	0.11
71	47.03	delta-CADINENE	0.42
72	47.42	CITRONELLOL	0.03
73	48.02	CUMINAL	0.04
74	48.05	MYRTENOL	0.03
75	48.38	CADINA-1,4-DIENE	0.08
76	48.51	alpha-AMORPHENE	0.04
77	49.05	NEROL	0.05
78	49.66	2-PHENYLETHYL ACETATE	0.03
79	50.01	NERYL ISOBUTYRATE	0.02
80	50.75	trans-CARVEOL	0.06
81	50.83	CALAMENENE	0.04
82	51.40	GERANIOL	0.28
83	52.23	cis-CARVEOL	0.02
84	53.03	2-PHENYLETHYL BUTYRATE	0.03
85	53.74	Epi-CUBEBOL	0.07
86	54.82	alpha-CALACORENE	0.01
87	56.20	CUBEBOL	0.09
88	58.06	CARYOPHYLLENE OXIDE	0.12
89	60.28	GLEENOL ISOMER	0.02
90	60.49	EPOXY-6,7-HUMULENE	0.01

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: EUCALYPTUS ESSENTIAL OIL (BLUE MALLEE) – 11238

Peak	RT (min)	Compound	%
91	60.67	NEROLIDOL	0.01
92	61.52	Epi-CUBENOL	0.05
93	61.84	CUBENOL	0.09
94	62.32	GLOBULOL	0.08
95	62.67	VIRIDIFLOROL	0.01
96	62.97	CUMINOL	0.02
97	64.41	SPATHULENOL	0.04
98	67.12	alpha-MUUROLOL	0.01
		<b>TOTAL</b>	<b>99.93</b>

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