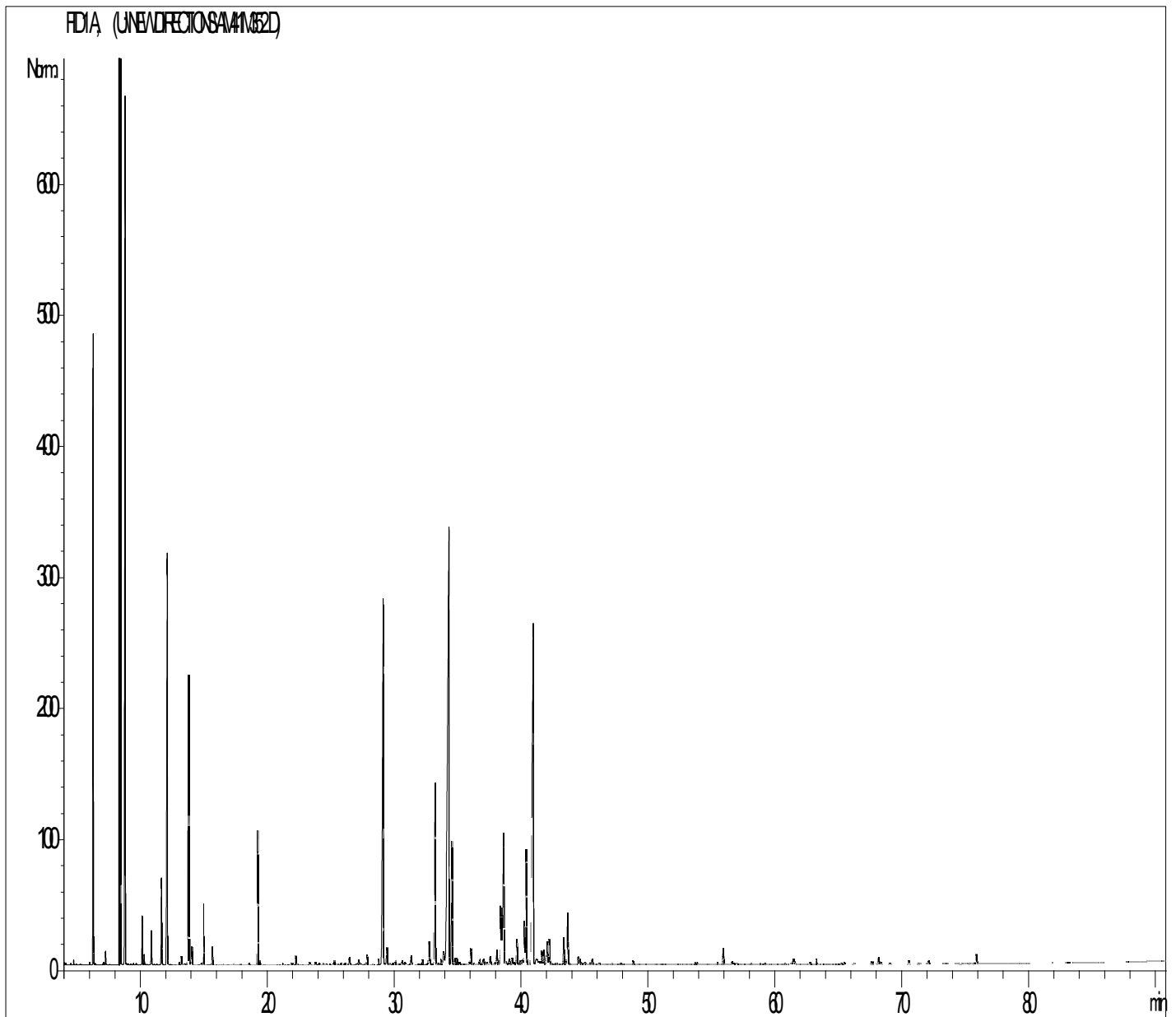


GCMS ANALYSIS

Product Name: Yarrow Blue Essential Oil

Date: September 19, 2017



Product Name: Yarrow Blue Essential Oil Cont'd
Date: September 19, 2017

Peak	RT (min)	Compound name	%
1	4,0	ACETONE	0,01
2	4,1	OCTENE	0,01
3	4,5	ALIPHATIC ESTER	0,01
4	4,7	ISOVALERALDEHYDE	0,03
5	4,9	ETHANOL	0,01
6	5,2	COMPONENT Mw=124	0,01
7	5,3	ALIPHATIC ESTER	0,01
8	5,9	TRICYCLEN	0,02
9	6,2	α-PINENE	4,82
10	6,3	α-THUYENE	0,17
11	6,4	ARTEMISIA TRIENE	0,01
12	7,0	α-FENCHENE	0,01
13	7,1	TERPINENE ISOMER	0,02
14	7,2	CAMPHENE	0,12
15	8,4	β-PINENE	15,13
16	8,7	SABINENE	10,02
17	8,8	PINADIENE	0,02
18	9,0	THUYADIENE	0,02
19	9,2	p-MENTH-3-ENE	0,01
20	9,4	p-XYLENE	0,02
21	10,1	β-MYRCENE	0,46
22	10,2	α-PHELLANDRENE	0,10
23	10,7	1,4-CINEOLE	0,01
24	10,8	α-TERPINENE	0,35
25	11,2	2,3-DEHYDRO-1,8-CINEOLE	0,02
26	11,6	LIMONENE	0,98
27	12,1	1,8-CINEOLE	5,92
28	13,0	FURAN,2-PENTYL	0,03
29	13,1	Cis-β-OCIMENE	0,10
30	13,5	COMPONENT Mw=150	0,03

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Product Name: Yarrow Blue Essential Oil Cont'd
Date: September 19, 2017

Peak	RT (min)	Compound name	%
31	13,8	γ -TERPINENE	3,92
32	14,0	Trans- β -OCIMENE	0,22
33	14,8	MENTHADIEN ISOMER	0,02
34	14,9	p-CYMENE	0,74
35	15,6	TERPINOLENE	0,22
36	18,6	6-METHYL-5-HEPTEN-2-ONE	0,03
37	19,2	ARTEMISIA KETONE	1,86
38	19,3	1-HEXANOL	0,04
39	21,1	3-HEXEN-1-OL	0,03
40	21,9	NONANAL	0,03
41	22,0	FENCHONE	0,02
42	22,1	ALCOHOL YOMOGI	0,13
43	23,3	ALIPHATIC ALCOHOL	0,04
44	23,7	SESQUITERPENE	0,04
45	24,0	COMPONENT Mw=152	0,03
46	24,4	α ,p-DIMETHYLSTYRENE	0,02
47	24,6	LINALOOL Cis-OXIDE	0,03
48	24,9	SESQUITERPENE	0,03
49	25,2	1-OCTEN-3-OL	0,04
50	25,7	α -CUBEBENE	0,04
51	26,1	Trans-THUYANOL	0,04
52	26,3	SESQUITERPENE	0,02
53	26,4	δ -ELEMENE	0,14
54	27,1	BICYCLOELEMENE	0,07
55	27,2	YLANGENE	0,03
56	27,8	α -COPAENE	0,17
57	28,7	CAMPHOR	7,54
58	29,1	α -BOURBONENE	0,08
59	29,4	β -BOURBONENE	0,30
60	29,5	SESQUITERPENE	0,03
61	29,8	SESQUITERPENE	0,03

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Product Name: Yarrow Blue Essential Oil Cont'd
Date: September 19, 2017

Peak	RT (min)	Compound name	%
62	30,0	α -GURJUNENE	0,07
63	30,5	SESQUITERPENE	0,03
64	30,6	ISOPINOCAMPHONE	0,05
65	30,8	β 1-CUBEBENE	0,07
66	31,3	LINALOOL	0,17
67	31,8	ALIPHATIC ESTER	0,04
68	32,1	1-OCTANOL	0,03
69	32,2	PINOCARVONE	0,08
70	32,7	ϵ -CADINENE	0,50
71	33,1	BORNYL ACETATE	3,39
72	33,4	FENCHOL	0,04
73	33,6	AROMATIC COMPONENT	0,09
74	33,9	α ,cis-BERGAMOTENE	0,35
75	34,3	β-CARYOPHYLLENE	13,81
76	34,5	TERPINENE-4-OL	1,94
77	34,7	AROMADENDRENE	0,11
78	34,9	LAVANDULYL ACETATE	0,11
79	35,1	SESQUITERPENE	0,06
80	35,9	MYRTENAL	0,04
81	36,0	4-THUYEN-2- α -YL ACETATE	0,27
82	36,2	UMBELLULONE + SESQUITERPENE	0,03
83	36,7	CADINENE ISOMER	0,15
84	37,0	FARNESENE ISOMER	0,15
85	37,2	ALLO-AROMADENDRENE	0,05
86	37,5	Trans-PINOCARVEOL	0,17
87	37,9	TERPENIC ALCOHOL	0,04
88	38,0	SESQUITERPENE	0,27
89	38,3	SESQUITERPENE	0,06
90	38,4	α -HUMULENE	1,09
91	38,6	E-β-FARNESENE	2,94
92	38,7	SESQUITERPENE	0,09

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Product Name: Yarrow Blue Essential Oil Cont'd
Date: September 19, 2017

Peak	RT (min)	Compound name	%
93	39,0	LAVANDULOL	0,11
94	39,2	NERAL	0,11
95	39,4	Z- β -FARNESENE	0,06
96	39,6	γ -MUUROLENE	0,52
97	39,9	γ -CURCUMENE	0,08
98	40,0	SESQUITERPENE	0,11
99	40,2	α -TERPINEOL	0,65
100	40,3	BORNEOL	2,03
101	40,9	GERMACRENE D	10,20
102	41,2	γ -HIMACHALENE	0,15
103	41,3	β -SELINENE	0,09
104	41,4	SESQUITERPENE	0,05
105	41,5	SESQUITERPENE	0,07
106	41,6	α -ZINGIBERENE	0,25
107	41,7	α -MUUROLENE	0,26
108	41,9	NERYL ACETATE	0,16
109	42,0	SESQUITERPENE	0,37
110	42,2	BICYCLOGERMACRENE	0,45
111	42,7	AROMATIC COMPONENT	0,04
112	43,3	α -FARNESENE	0,44
113	43,6	δ -CADINENE	0,95
114	43,7	γ -CADINENE	0,13
115	44,4	β -SESQUIPHELLANDRENE	0,15
116	44,6	α -CURCUMENE	0,12
117	44,9	MENTHADIENAL ISOMER	0,03
118	45,0	CADINA-1,4-DIENE	0,04
119	45,4	MYRTENOL	0,04
120	45,6	α -AMORPHENE	0,11
121	46,1	NEROL	0,03
122	47,8	CALAMENENE	0,03
123	48,8	GERANIOL	0,07

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Product Name: Yarrow Blue Essential Oil Cont'd
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Peak	RT (min)	Compound name	%
124	53,6	ALIPHATIC ESTER	0,04
125	53,8	Trans-JASMONE	0,04
126	55,4	ISOCARYOPHYLLENE EPOXIDE	0,04
127	55,9	CARYOPHYLLENE OXIDE	0,29
128	56,6	SESQUITERPENOL	0,06
129	58,1	AROMATIC COMPONENT	0,02
130	58,8	EPOXY-6,7-HUMULENE	0,02
131	59,2	NEROLIDOL	0,02
132	61,4	SESQUITERPENIC EPOXIDE	0,10
133	62,8	SESQUITERPENIC EPOXIDE	0,04
135	63,2	SPATHULENOL	0,08
136	65,2	EUGENOL	0,02
137	65,5	PELARGONIC ACID	0,04
138	67,6	CARVACROL	0,04
139	68,1	LACHNOPHYLLUM METHYL ESTER	0,13
140	68,3	β-EUDESOL	0,03
141	69,0	LACHNOPHYLLUM METHYL ESTER ISOMER	0,02
142	70,5	CAPRIC ACID	0,06
143	72,1	MATRICARIA ESTER Mw=174	0,06
144	75,8	CHAMAZULENE	0,19
		TOTAL	99,99

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