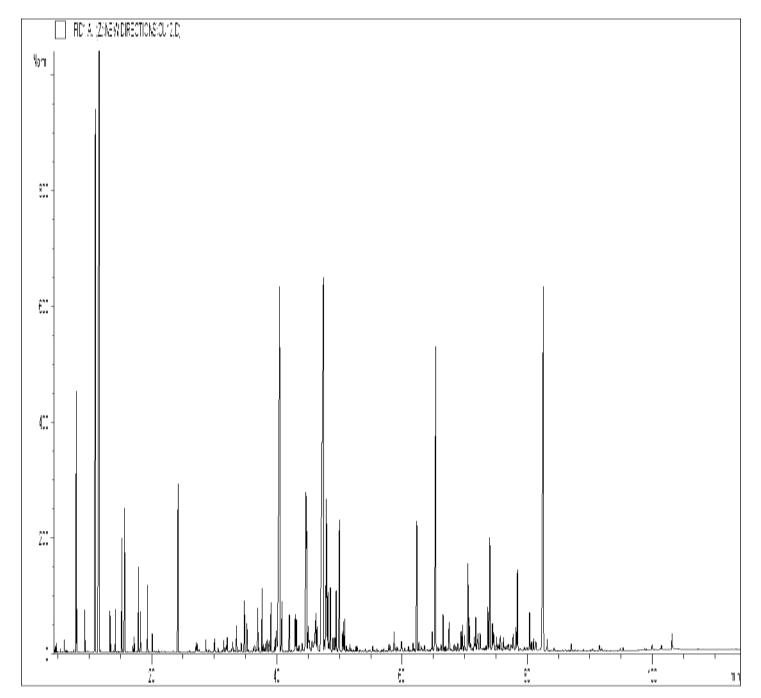


GCMS ANALYSIS

PRODUCT NAME: YARROW ORGANIC ESSENTIAL OIL - 50031

DATE: October 15, 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,





PRODUCT NAME: YARROW ORGANIC ESSENTIAL OIL - 50031

Peak	RT (min)	Compound name	%
1	4,65	ACETONE	0,02
2	4,83	1-OCTENE	0,03
3	5,39	ISOVALERALDEHYDE	0,01
4	6,04	1-NONANOL	0,05
5	6,27	FURANE 2-ETHYL	0,01
6	6,47	COMPOUND Mw=124	0,01
7	7,55	TRICYCLENE	0,02
8	7,95	alpha-PINENE	1,68
9	8,03	alpha-THUYENE	0,20
10	8,07	SANTOLINATRIENE	0,21
11	9,32	CAMPHENE	0,29
12	9,80	HEXANAL	0,01
13	11,00	beta-PINENE	6,67
14	11,60	SABINENE	10,46
15	11,67	PINADIENE	0,01
16	11,86	THUYADIENE	0,01
17	12,68	delta3-CARENE	0,01
18	13,35	beta-MYRCENE	0,28
19	13,47	alpha-PHELLANDRENE	0,05
20	13,70	psi-LIMONENE	0,01
21	13,89	TERPENIC COMPOUND	0,01
22	14,21	alpha-TERPINENE	0,31
23	14,67	2,3-DEHYDRO-1,8-CINEOLE	0,01
24	15,25	LIMONENE	0,98
25	15,68	1,8-CINEOLE	1,40
26	15,75	beta-PHELLANDRENE	0,21
27	17,00	FURAN, 2-PENTYL	0,05
28	17,22	Cis-beta-OCIMENE	0,12
29	17,62	4-ISOPROPYLPHENOL, 3-METHYL-	0,01
30	17,89	gamma-TERPINENE	0,73

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PRODUCT NAME: Yarrow Organic Essential Oil - 50031

Peak	RT (min)	Compound name	%
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31	18,22	Trans-beta-OCIMENE	0,32
32	18,32	3-OCTANONE	0,02
33	19,34	p-CYMENE	0,56
34	20,09	TERPINOLENE	0,15
35	21,07	ALIPHATIC ESTER	0,02
36	22,03	TRIDECANE	0,01
37	23,43	6-METHYL-5-HEPTEN-2-ONE	0,01
38	24,22	KETONE ARTEMISIA	1,87
39	25,98	ALLO-OCIMENE	0,01
40	26,12	ACETATE DE 1-OCTEN-3-YLE	0,02
41	27,10	NONANAL	0,10
42	27,28	YOMOGI ALCOOL	0,09
43	27,60	ALIPHATIC ALCOHOL	0,05
44	28,66	ALIPHATIC ALCOHOL	0,11
45	29,16	SESQUITERPENE	0,03
46	29,92	alpha,p-DIMETHYLSTYRENE	0,01
47	30,06	alpha-THUYONE	0,14
48	30,62	1-OCTEN-3-OL	0,04
49	31,30	alpha-CUBEBENE	0,03
50	31,53	Trans-THUYANOL	0,11
51	31,91	alpha-LONGIPINENE	0,08
52	32,08	delta-ELEMENE	0,17
53	32,78	BICYCLOELEMENE	0,04
54	32,95	YLANGENE	0,12
55	33,25	HEXENYLIC ESTER	0,04
56	33,55	alpha-COPAENE	0,29
57	33,92	alpha-BOURBONENE	0,04
58	34,30	ARTEMISIA ALCOHOL	0,11
59	34,81	CAMPHOR	0,54
60	35,22	beta-BOURBONENE	0,34

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PRODUCT NAME: Yarrow Organic Essential Oil - 50031

Peak	RT (min)	Compound name	%
61	35,43	alpha-PINOCAMPHONE	0,03
62	35,91	alpha-GURJUNENE	0,03
63	36,22	beta-PINOCAMPHONE	0,04
64	36,39	BERGAMOTENE ISOMER	0,07
65	36,43	beta1-CUBEBENE	0,07
66	36,70	cis-THUYANOL	0,03
67	36,95	LINALOOL	0,48
68	37,14	1-NONEN-3-OL	0,05
69	37,63	LINALYL ACETATE	0,66
70	37,82	PINOCARVONE	0,08
71	37,99	LONGIFOLENE	0,04
72	38,14	Trans-p-MENTH-2-EN-1-OL	0,08
73	38,35	MYRCENONE	0,04
74	38,42	CHRYSANTHENYL ACETATE	0,15
75	38,76	epsilon-CADINENE	0,18
76	39,05	BORNYL ACETATE	0,51
77	39,68	alpha,trans-BERGAMOTENE	0,13
78	39,88	beta-CUBEBENE	0,20
79	39,91	beta-ELEMENE	0,13
80	40,42	beta-CARYOPHYLLENE	7,57
81	40,71	TERPINENE-4-OL	0,65
82	40,71	SESQUITERPENE	0,08
83	40,80	LAVANDULYL ACETATE	0,50
84	41,94	MYRTENAL	0,14
85	41,99	Trans-SABINYL ACETATE	0,34
86	42,32	Cis-p-MENTH-2-EN-1-OL	0,03
87	42,94	alpha-HIMACHALENE	0,51
88	43,12	FARNESENE ISOMER	0,41
89	43,31	GERMACRENE A	0,06
90	43,54	ALLO-AROMADENDRENE	0,11

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Peak	RT (min)	Compound name	%
91	44,02	alpha-ACORADIENE	0,16
92	44,23	CURCUMENE ISOMER	0,03
93	44,65	E-beta-FARNESENE	2,57
94	44,75	alpha-HUMULENE	1,11
95	45,00	LAVANDULYL ISOBUTYRATE	0,35
96	45,18	CURCUMENE ISOMER	0,21
97	45,32	SESQUITERPENE	0,06
98	45,61	gamma-HIMACHALENE	0,28
99	45,96	gamma-MUUROLENE	0,19
100	46,10	TERPENYL ACETATE	0,20
101	46,22	BORNEOL	0,60
102	46,42	alpha-TERPINEOL	0,39
103	47,43	GERMACRENE D	12,24
104	47,55	MUUROLENE ISOMER	0,16
105	47,81	beta-SELINENE	0,69
106	47,90	VALENCENE	0,84
107	47,92	PIPERITONE	0,65
108	47,97	alpha-ZINGIBERENE	0,52
109	48,15	beta-BISABOLENE	0,71
110	48,31	alpha-MUUROLENE	0,10
111	48,54	BICYCLOGERMACRENE	0,77
112	48,95	beta-CURCUMENE	0,22
113	49,25	trans-PIPERITOL	0,16
114	49,46	alpha-FARNESENE	0,69
115	49,90	delta-CADINENE	1,53
116	50,00	gamma-CADINENE	0,38
117	50,25	CUMINAL	0,02
118	50,48	LAVANDULYL METHYLBUTYRATE	0,17
119	50,62	beta-SESQUIPHELLANDRENE	0,32
120	50,83	alpha-CURCUMENE	0,34

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Peak	RT (min)	Compound name	%
121	51,09	alpha-BISABOLENE	0,07
122	51,28	CADINA-1,4-DIENE	0,03
123	51,68	MYRTENOL	0,12
124	51,88	alpha-AMORPHENE	0,04
125	52,22	MYRTENOL ISOMER	0,03
126	52,63	SESQUITERPENIC EPOXIDE	0,05
127	52,81	2,4-DECADIENAL	0,08
128	54,14	CALAMENENE	0,04
129	54,78	GERANIOL	0,04
130	55,31	E-GERANYL ACETONE	0,06
131	55,98	ALIPHATIC ESTER	0,05
132	57,07	epi-CUBEBOL	0,04
133	57,82	AROMATIQUE COMPOUND	0,08
134	58,04	SESQUITERPENIC EPOXIDE	0,12
135	58,73	alpha-CALACORENE	0,24
136	58,88	AROMATIC COMPOUND	0,06
137	59,18	2-METHOXYBENZYL ALCOHOL	0,07
138	59,90	DENDROLASIN	0,14
139	59,96	trans-JASMONE	0,05
140	60,42	CUBEBOL	0,05
141	61,04	beta-CALACORENE	0,07
142	61,75	ISOCARYOPHYLLENE OXIDE	0,11
143	61,95	ALIPHATIC ESTER	0,04
144	62,35	CARYOPHYLLENE OXIDE	1,88
145	62,67	SESQUITERPENOL	0,12
146	63,05	SESQUITERPENOL	0,11
147	63,32	SESQUITERPENIC EPOXIDE	0,03
148	63,59	AROMATIC COMPOUND	0,10
149	64,63	LEDOL	0,04
150	64,82	epoxy-6,7-HUMULENE	0,29

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Peak	RT (min)	Compound name	%
151	65,30	PENTADECANAL	0,10
152	65,39	NEROLIDOL	5,11
153	65,72	COMPOUND Mw=222	0,07
154	65,90	beta-SELINOL	0,04
155	66,22	epi-CUBENOL	0,14
156	66,54	CUBENOL	0,43
157	66,75	SESQUITERPENOL	0,06
158	66,98	SESQUITERPENIC EPOXIDE	0,07
159	67,22	GLOBULOL	0,06
160	67,49	VIRIDIFLOROL	0,20
161	67,53	7-epi-SESQUISABINENE HYDRATE	0,28
162	68,32	SESQUITERPENOL	0,10
163	68,56	EUDESMOL ISOMER	0,11
164	68,89	beta-SESQUIPHELLANDROL	0,14
165	69,26	SESQUITERPENOL	0,07
166	69,42	SPATHULENOL	0,23
167	69,67	BISABOLOL B OXIDE	0,33
168	69,98	PENTADECANONE TRIMETHYL	0,21
169	70,53	EUDESMA-5-EN-11-alpha-OL	1,09
170	70,72	SESQUITERPENOL	0,42
171	70,94	EUGENOL	0,11
172	71,52	gamma-EUDESMOL	0,19
173	71,77	T-CADINOL	0,48
174	72,01	BISABOLONE OXIDE A	0,11
175	72,12	MATRICARIA ESTER + alpha-MUUROLOL	0,30
176	72,46	delta-CADINOL	0,22
177	72,51	SESQUITERPENOL	0,10
178	73,34	CARVACROL	0,08
179	73,52	AROMATIC COMPOUND	0,07
180	73,71	HIMACHALOL	0,48

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PRODUCT NAME: Yarrow Organic Essential Oil - 50031

Peak	RT (min)	Compound name	%
181	74,01	alpha-BISABOLOL	1,42
182	74,44	LACHNOPHYLLUM METHYL ESTER	0,36
183	74,59	beta-EUDESMOL	0,22
184	74,69	alpha-CADINOL	0,19
185	75,10	SESQUITERPENOL	0,20
186	75,31	COMPOUND Mw=270	0,10
187	75,47	SESQUITERPENIC EPOXIDE	0,09
188	75,69	EUDESMA-7-EN-4-OL	0,19
189	75,74	beta-NOOTKATOL	0,08
190	76,21	FARNESYL ACETATE	0,19
191	76,36	SESQUITERPENOL	0,06
192	76,61	CAPRIC ACID	0,10
193	76,89	AROMATIC COMPOUND	0,07
194	76,99	SESQUITERPENIC EPOXIDE	0,08
195	77,38	SESQUITERPENOL	0,08
196	77,48	AROMATIQUE COMPOUND	0,07
197	77,74	CARYOPHYLLA-2,6-DIEN-5-alpha-OL	0,29
198	78,20	SESQUITERPENIC EPOXIDE	0,35
199	78,43	MATRICARIA ESTER ISOMER	0,99
200	78,77	SESQUITERPENOL	0,04
201	80,10	SESQUITERPENOL	0,08
202	80,37	FARNESOL	0,43
203	80,69	TRICOSANE	0,12
204	81,02	SESQUITERPENOL	0,18
205	81,37	SESQUITERPENOL	0,21
206	82,58	CHAMAZULEN	7,68
207	83,19	SESQUITERPENOL	0,14
208	84,25	SESQUITERPENIC EPOXIDE	0,07
209	86,06	AROMATIC COMPOUND	0,04
210	87,04	PENTACOSANE	0,10

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PRODUCT NAME: Yarrow Organic Essential Oil - 50031

Peak	RT (min)	Compound name	%
211	91,52	PHYTOL	0,09
212	91,91	AROMATIC COMPOUND	0,03
213	94,85	MYRISTIC ACID	0,03
214	95,30	HEPTACOSANE	0,03
215	98,74	AROMATIC COMPOUND	0,03
216	99,95	COMPOUND Mw=222	0,07
217	101,45	NONACOSANE	0,07
218	103,12	PALMITIC ACID	0,30
		TOTAL	99,92

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