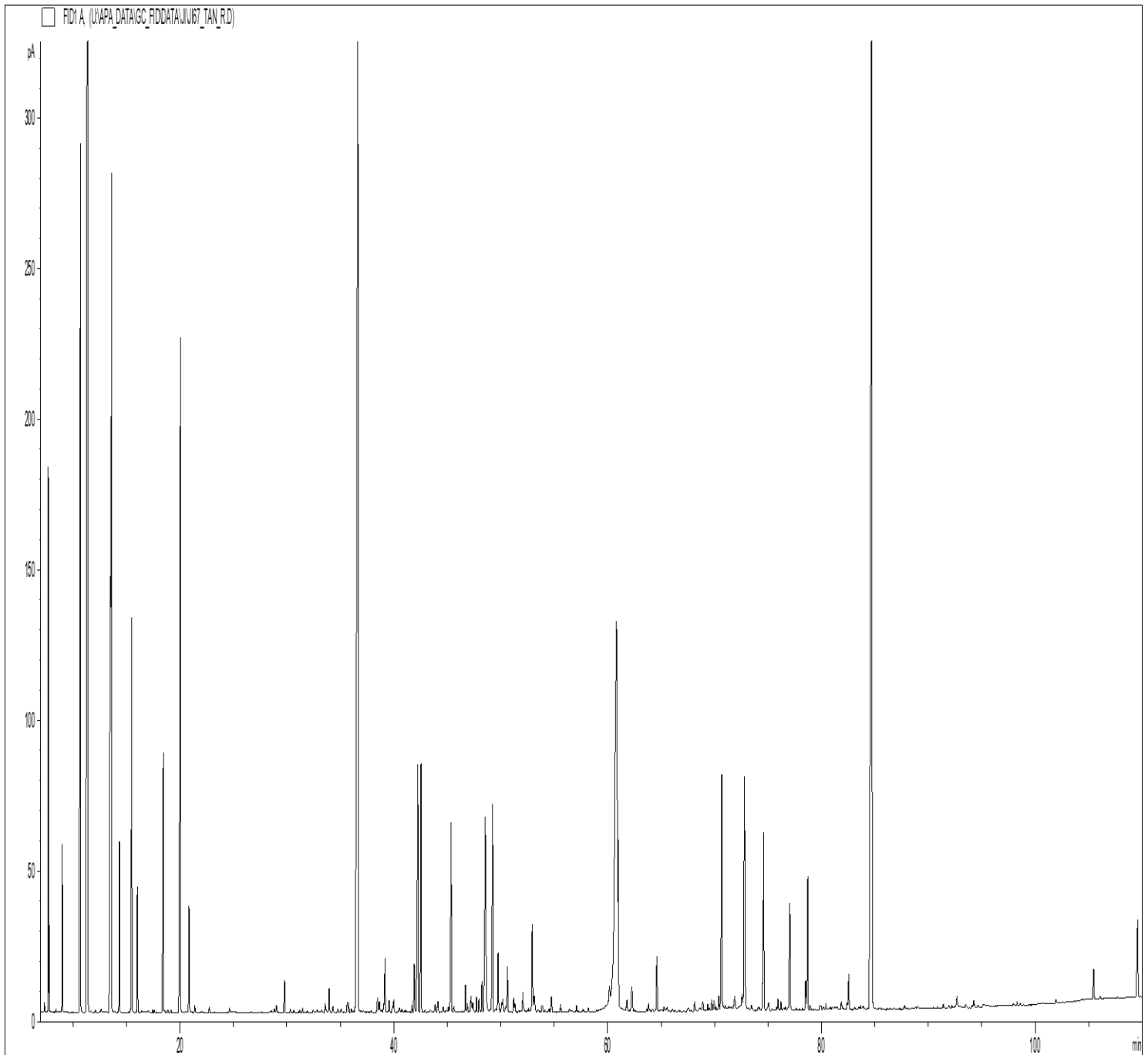


GCMS ANALYSIS

PRODUCT NAME: TANSY BLUE ESSENTIAL OIL – 11142

DATE: January 3, 2024



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: TANSY BLUE ESSENTIAL OIL – 11142

Peak	RT (min)	Compound name	%
1	7,30	TRICYCLENE	0,03
2	7,67	alpha-PINENE	1,91
3	7,74	alpha-THUYENE	0,28
4	8,40	ETHYL 2-METHYLBUTYRATE	0,01
5	8,99	CAMPHENE	0,69
6	10,69	beta-PINENE	4,98
7	11,39	SABINENE	15,27
8	12,10	PROPYL 2-METHYLBUTYRATE	0,02
9	12,63	delta3-CARENE	0,02
10	13,51	beta-MYRCENE	3,51
11	13,61	alpha-PHELLANDRENE	4,33
12	13,73	psi-LIMONENE	0,01
13	14,34	alpha-TERPINENE	0,79
14	15,50	LIMONENE	2,14
15	16,02	1,8-CINEOLE	0,61
16		beta-PHELLANDRENE	
17	17,06	ETHYL DIMETHYLACRYLATE	0,01
18	17,45	FURAN, 2-PENTYL-	0,01
19	17,62	BUTYL 2-METHYLBUTYRATE	0,01
20	18,44	gamma-TERPINENE	1,41
21	18,55	TERPENE ISOMER	0,02
22	18,88	trans-beta-OCIMENE	0,02
23	19,17	TERPENE ISOMER	0,02
24	20,04	p-CYMENE	4,67
25	20,85	TERPINOLENE	0,53
26	20,90	ISOAMYL 2-METHYLBUTYRATE	0,06
27	21,39	OCTANAL	0,04
28	22,74	1,3,7-NONATRIENE, 4,8-DIMETHYL-	0,03
29	24,63	5-HEPTEN-2-ONE, 6-METHYL-	0,03
30	28,53	ALIPHATIC ESTER	0,02

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: TANSY BLUE ESSENTIAL OIL – 11142

Peak	RT (min)	Compound name	%
31	28,81	AROMATIC COMPOUND	0,03
32	29,00	PRENYL ISOVALERATE	0,04
33	29,76	PINENOL ISOMER	0,18
34	30,31	PERILLENE	0,03
35	30,63	AROMATIC COMPOUND Mw=134	0,02
36	31,19	COMPOUND Mw=152	0,02
37	31,47	alpha,p-DIMETHYLSTYRENE	0,03
38	31,89	LINALOOL cis-OXIDE	0,01
39	32,82	alpha-CUBEBENE	0,02
40	33,27	6-VINYLDIHYDRO-2-PYRANE-3-ONE, 2,2,6-TRIMETHYL-	0,01
41	33,57	trans-THUYANOL	0,06
42	33,93	COMPOUND Mw=152	0,16
43	34,29	cis-3-HEXENYL ISOVALERATE	0,05
44	34,75	alpha-CAMPHOLENAL	0,03
45	35,06	cis-3-HEXENYL VALERATE	0,03
46	35,63	alpha-COPAENE	0,07
47	35,79	HEPTYL 2-METHYLBUTYRATE	0,05
48	36,03	DECANAL	0,03
49	36,65	CAMPHOR	10,35
50	37,89	alpha-GURJUNENE	0,02
51	38,50	cis-p-MENTH-3-EN-7-AL	0,07
52	38,55	trans-p-MENTH-3-EN-7-AL	0,06
53	38,68	BERGAMOTENE ISOMER	0,08
54	38,86	beta1-CUBEBENE	0,02
55	39,08	cis-THUYANOL	0,06
56	39,18	4-ACETYLCYCLOHEX-1-ENE, 1-METHYL-	0,34
57	39,57	LINALOOL	0,08
58	39,88	1-OCTANOL	0,04
59	40,01	trans-p-MENTH-2-EN-1-OL	0,10
60	40,56	BORNYL FORMATE	0,05

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: TANSY BLUE ESSENTIAL OIL – 11142

Peak	RT (min)	Compound name	%
61	40,78	alpha-cis-BERGAMOTENE	0,04
62	41,04	epsilon-CADINENE	0,02
63	41,18	BORNYL ACETATE	0,02
64	41,69	alpha-trans-BERGAMOTENE	0,04
65	41,92	beta-ELEMENE	0,29
66	42,26	beta-CARYOPHYLLENE	1,81
67	42,55	TERPINENE-4-OL	1,48
68	42,92	AROMADENDRENE	0,02
69	43,41	METHYL BENZOATE	0,04
70	43,87	MYRTENAL	0,07
71	44,14	SABINAKETONE	0,10
72	44,62	cis-p-MENTH-2-EN-1-OL	0,04
73	45,11	PULEGONE	0,04
74	45,37	FARNESENE ISOMER	1,27
75	45,62	ALLO-AROMADENDRENE	0,06
76	46,72	alpha-HUMULENE	0,17
77	46,89	SESQUITERPENE	0,06
78	47,23	CARVOTANACETONE	0,16
79	47,42	4,5-di-epi-ARISTOLOCHENE	0,08
80	47,75	Z-beta-FARNESENE	0,09
81	47,97	gamma-MUUROLENE	0,10
82	48,25	gamma-CURCUMENE	0,20
83	48,57	BORNEOL	1,78
84	48,65	alpha-TERPINEOL	0,21
85	48,99	SESQUITERPENE	0,02
86	49,26	GERMACRENE D	1,53
87	49,50	SESQUITERPENE	0,03
88	49,59	PIPERITONE	0,02
89	49,76	beta-SELINENE	0,43
90	50,09	alpha-SELINENE	0,07

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: TANSY BLUE ESSENTIAL OIL – 11142

Peak	RT (min)	Compound name	%
91	50,20	alpha-MUUROLENE	0,11
92	50,51	CARVONE	0,06
93	50,64	BICYCLOGERMACRENE	0,29
94	51,22	beta-CURCUMENE	0,09
95	51,34	trans-PIPERITOL	0,08
96	52,07	delta-CADINENE	0,17
97		gamma-CADINENE	
98	52,61	SESQUITERPENE	0,05
99	52,81	SESQUITERPENE	0,03
100	52,97	beta-SESQUIPELLANDRENE	0,54
101	53,09	alpha-CURCUMENE	0,09
102	53,18	CUMINAL	0,13
103	53,86	MYRTENOL	0,12
104	54,53	CAMPHOLENOL	0,03
105	54,76	trans-SABINOL	0,13
106	55,61	beta-DAMASCENONE	0,05
107	56,44	trans-CARVEOL	0,03
108	57,10	p-CYMENE-8-OL	0,06
109	57,70	KETONIC COMPOUND	0,04
110	58,21	PHENYLMETHYL ISOVALERATE	0,05
111	60,18	DIHYDROCHAMAZULENE ISOMER	0,08
112	60,82	5,6-DIHYDROCHAMAZULENE	9,35
113	61,01	DIHYDROCHAMAZULENE ISOMER	0,75
114	61,83	DIHYDROCHAMAZULENE ISOMER	0,08
115	62,27	DIHYDROCHAMAZULENE ISOMER	0,21
116	62,52	DIHYDROCHAMAZULENE ISOMER	0,02
117	63,70	AROMATIC COMPOUND	0,03
118	63,85	PHENYLETHYLIC ESTER	0,05
119	64,22	AROMATIC COMPOUND	0,03
120	64,62	CARYOPHYLLENE OXIDE	0,38

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: TANSY BLUE ESSENTIAL OIL – 11142

Peak	RT (min)	Compound name	%
121	64,95	SESQUITERPENOL	0,02
122	65,11	TERPENIC COMPOUND	0,02
123	65,30	TERPENIC COMPOUND	0,04
124	65,58	AROMATIC COMPOUND	0,05
125	66,08	DIHYDROCHAMAZULENE ISOMER	0,03
126	67,55	SESQUITERPENIC OXIDE	0,06
127	68,16	COMPOUND Mw=162	0,08
128	68,68	JUNEOL	0,07
129	68,93	AROMATIC COMPOUND	0,11
130	69,37	AROMATIC COMPOUND	0,05
131	69,52	AROMATIC COMPOUND	0,03
132	69,75	ELEMOL	0,08
133	69,97	METHYL p-ANISATE	0,10
134	70,42	BERGAMOTOL ISOMER	0,15
135	70,69	DIHYDROCHAMAZULENE ISOMER	1,73
136	71,01	SESQUITERPENIC OXIDE	0,03
137	71,90	SPATHULENOL	0,11
138	72,59	PENTADECANONE, TRIMETHYL-	0,06
139	72,81	DIHYDROCHAMAZULENE ISOMER	2,64
140	73,45	beta-BISABOLOL	0,08
141	74,11	gamma-EUDESMOL	0,03
142	74,20	T-CADINOL	0,02
143	74,54	AGAROSPIROL	0,20
144	74,60	THYMOL	1,05
145	75,07	HINESOL	0,09
146	75,41	AROMATIC COMPOUND	0,03
147	75,81	TERPENIC COMPOUND	0,02
148	75,95	CARVACROL	0,08
149	76,23	DITERPENE	0,06
150	76,53	alpha-EUDESMOL	0,04

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: TANSY BLUE ESSENTIAL OIL – 11142

Peak	RT (min)	Compound name	%
151	76,67	AROMATIC COMPOUND	0,03
152	76,90	alpha-CADINOL	0,03
153	77,05	beta-EUDESMOL	0,70
154	78,54	AROMATIC COMPOUND Mw=286	0,20
155	78,74	AROMATIC COMPOUND Mw=286	0,87
156	78,96	AROMATIC COMPOUND	0,04
157	79,88	ALIPHATIC ESTER	0,04
158	79,97	TERPENIC COMPOUND	0,03
159	80,19	TERPENIC COMPOUND	0,03
160	80,42	SESQUITERPENOL	0,05
161	81,87	AROMATIC COMPOUND	0,07
162	82,43	GERANYL-p-CYMENE ISOMER	0,05
163	82,56	GERANYL-p-CYMENE ISOMER	0,23
164	83,13	AROMATIC COMPOUND	0,02
165	83,50	TERPENIC COMPOUND	0,02
166	83,91	TERPENIC COMPOUND	0,02
167	84,71	CHAMAZULEN	11,73
168	87,78	AROMATIC COMPOUND Mw=322	0,04
169	91,40	AROMATIC COMPOUND	0,04
170	91,94	ALIPHATIC COMPOUND	0,03
171	92,70	ALIPHATIC COMPOUND	0,18
172	94,25	AROMATIC COMPOUND Mw=322	0,07
173	94,65	BIPHENYLDIOL COMPOUND ISOMER	0,03
174	95,18	AROMATIC COMPOUND Mw=322	0,05
175	97,97	AROMATIC COMPOUND Mw=322	0,02
176	98,31	AROMATIC COMPOUND Mw=322	0,02
177	101,96	ALIPHATIC ALCOHOL	0,03
178	105,47	BIPHENYLDIOL COMPOUND ISOMER	0,22
179	106,09	PALMITIC ACID	0,02
180	109,58	BIPHENYLDIOL COMPOUND ISOMER	0,64

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: TANSY BLUE ESSENTIAL OIL – 11142

Peak	RT (min)	Compound name	%
181	112,09	AROMATIC COMPOUND	0,02
182	117,57	AROMATIC COMPOUND	0,02
		TOTAL	99,72

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