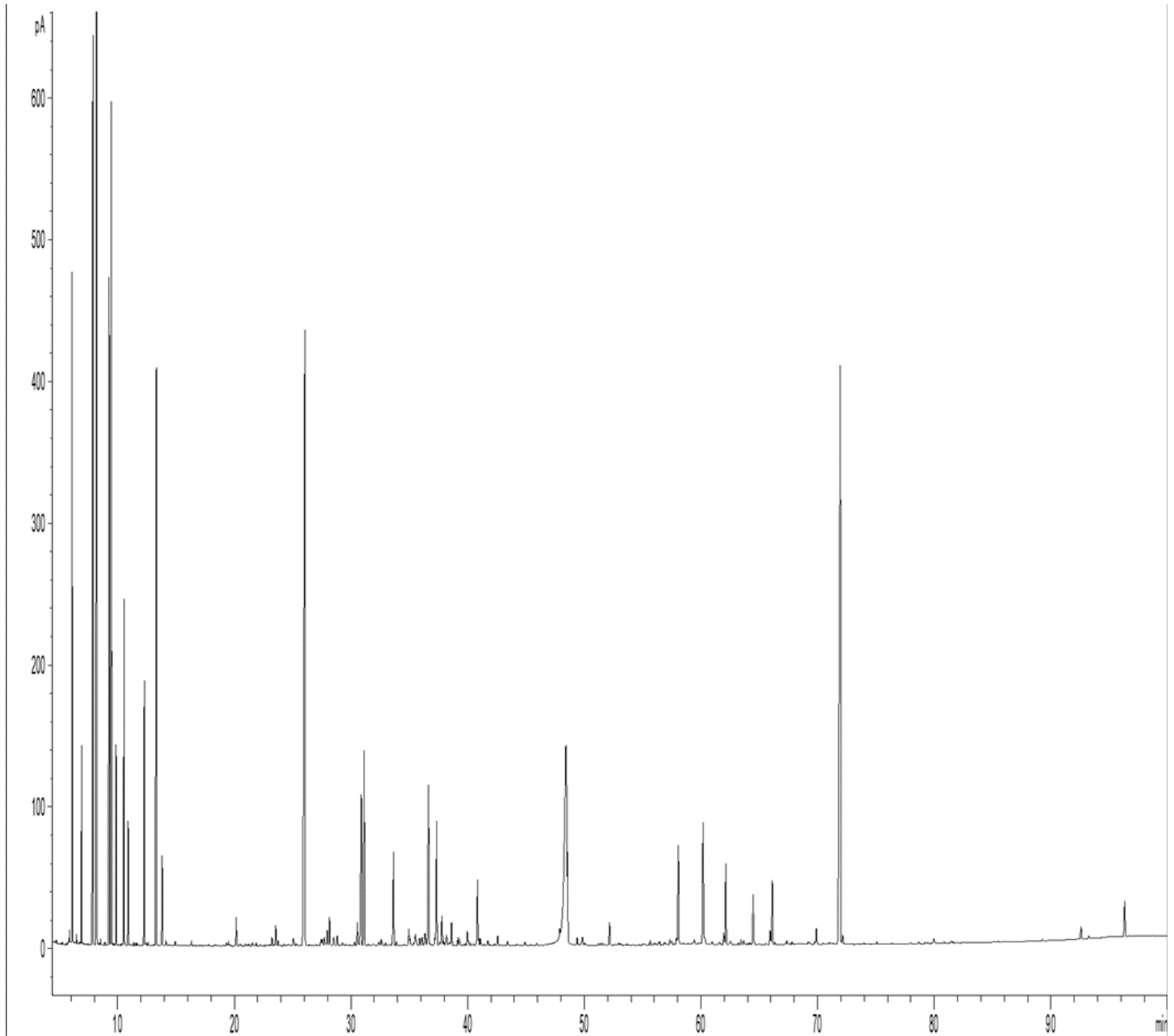


GCMS ANALYSIS

PRODUCT NAME: TANSY BLUE ESSENTIAL OIL - 11142

DATE: May 05, 2021



*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	5,86	TRICYCLENE	0,05
2	6,09	<b>alpha-PINENE</b>	<b>2,59</b>
3	6,12	alpha-THUYENE	0,57
4	6,47	ETHYL 2-METHYLBUTYRATE	0,04
5	6,89	CAMPHENE	0,93
6	7,86	<b>beta-PINENE</b>	<b>6,02</b>
7	8,22	<b>SABINENE</b>	<b>18,18</b>
8	8,52	PROPYL 2-METHYLBUTYRATE	0,04
9	9,27	<b>beta-MYRCENE</b>	<b>5,05</b>
10	9,46	<b>alpha-PHELLANDRENE</b>	<b>5,78</b>
11	9,86	alpha-TERPINENE	1,08
12	10,54	LIMONENE	2,14
13	10,90	1,8-CINEOLE	0,47
14	10,91	beta-PHELLANDRENE	0,49
15	12,27	gamma-TERPINENE	1,82
16	12,43	Trans-beta-OCIMENE	0,04
17	12,61	TERPINENE ISOMER	0,02
18	13,30	<b>p-CYMENE</b>	<b>4,96</b>
19	13,81	TERPINOLENE	0,51
20	13,90	AMYL ISOVALERATE	0,17
21	14,12	OCTANAL	0,04
22	14,92	1,3,7-NONATRIENE-4,8-DIMETHYL	0,03
23	16,32	5-HEPTEN-2-ONE-6-METHYL	0,04
24	19,34	ALIPHATIC ESTER	0,03
25	19,50	PERILLENE	0,04
26	20,17	ALIPHATIC ALCOHOL	0,23
27	21,56	alpha,p-DIMETHYLSTYRENE	0,03
28	21,89	LINALOOL Cis-OXIDE	0,02
29	23,23	Trans-THUYANOL	0,07
30	23,54	ALIPHATIC ESTER	0,20

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: TANSY BLUE ESSENTIAL OIL - 11142

Peak	RT (min)	Compound name	%
31	23,77	LINALOOL Trans-OXIDE	0,05
32	25,05	HEXENYLIC ESTER	0,12
33	25,33	alpha-CAMPHOLENAL	0,03
34	26,05	<b>CAMPHOR</b>	<b>9,50</b>
35	27,43	cis-p-MENTH-3-EN-7-AL	0,06
36	27,53	trans-p-MENTH-3-EN-7-AL	0,08
37	27,73	ALIPHATIC ALCOHOL	0,11
38	27,98	BERGAMOTENE ISOMERE	0,16
39	28,16	1-METHYL-4-ACETYLCYCLOHEX-1-ENE	0,28
40	28,53	LINAOL + PINOCARVONE	0,12
41	28,83	Trans-p-MENTH-2-EN-1-OL	0,11
42	29,29	alpha-cis-BERGAMOTENE	0,03
43	29,55	BORNYL ACETATE	0,02
44	30,30	alpha-trans-BERGAMOTENE	0,04
45	30,55	beta-ELEMENE	0,22
46	30,89	beta-CARYOPHYLLENE	1,77
47	31,14	TERPINENE-4-OL	1,95
48	31,51	SESQUITERPENE	0,02
49	31,91	MYRTENAL	0,03
50	32,39	SABINAKETONE	0,03
51	32,60	cis-p-MENTH-2-EN-1-OL	0,09
52	32,70	PULEGONE	0,03
53	32,99	Trans-PINOCARVEOL	0,03
54	33,65	FARNESENE ISOMER	1,04
55	33,90	SESQUITERPENE	0,05
56	34,96	alpha-HUMULENE	0,18
57	35,05	E-beta-FARNESENE	0,09
58	35,36	cis-PIPERITOL	0,03
59	35,52	CARVOTANACETONE + 4,5-di-épi-ARISTOLOCHENE	0,21
60	35,89	Z-beta-FARNESENE	0,08

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: TANSY BLUE ESSENTIAL OIL - 11142

Peak	RT (min)	Compound name	%
61	36,11	gamma-CURCUMENE	0,11
62	36,35	alpha-TERPINEOL	0,14
63	36,42	gamma-MUUROLENE	0,06
64	36,65	BORNEOL	1,89
65	36,89	SESQUITERPENE	0,03
66	37,19	SESQUITERPENE	0,08
67	37,35	GERMACRENE D	1,35
68	37,61	SESQUITERPENE	0,05
69	37,80	beta-SELINENE	0,33
70	37,95	PIPERITONE	0,05
71	38,20	alpha-SELINENE	0,17
72	38,43	alpha-MUUROLENE	0,06
73	38,63	BICYCLOGERMACRENE	0,26
74	39,16	beta-CURCUMENE	0,09
75	39,30	trans-PIPERITOL	0,08
76	39,78	SESQUITERPENE	0,02
77	39,97	delta-CADINENE	0,16
78	40,06	gamma-CADINENE	0,04
79	40,22	SESQUITERPENE	0,03
80	40,48	SESQUITERPENE	0,03
81	40,85	beta-SESQUIPELLANDRENE	0,71
82	40,95	CUMINAL	0,06
83	41,10	alpha-CURCUMENE	0,09
84	41,43	CADINA-1,4-DIENE	0,02
85	41,74	MYRTENOL	0,07
86	41,95	MENTHADIENAL ISOMER	0,02
87	42,33	ALIPHATIC ALCOHOL	0,03
88	42,58	SABINOL ISOMER	0,11
89	43,41	beta-DAMASCENONE	0,05
90	44,23	Trans-CARVEOL	0,02

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: TANSY BLUE ESSENTIAL OIL - 11142

Peak	RT (min)	Compound name	%
91	44,91	p-CYMENE-8-OL	0,04
92	45,93	PHENYLMETHYL 2-METHYLBUTYRATE	0,03
93	47,89	DIHYDROCHAMAZULEN ISOMER	0,08
94	48,43	<b>5,6-DIHYDROCHAMAZULEN</b>	<b>7,18</b>
95	48,58	alpha-CALACORENE	0,71
96	49,40	DIHYDROCHAMAZULEN ISOMER	0,07
97	49,84	DIHYDROCHAMAZULEN ISOMER	0,12
98	50,05	DIHYDROCHAMAZULEN ISOMER	0,02
99	51,25	DITERPENE Mw=272	0,03
100	51,44	PHENYLETHYLIC ESTER	0,03
101	51,56	SESQUITERPENOL	0,02
102	52,17	CARYOPHYLLENE OXIDE	0,26
103	52,94	PERILLYL ALCOHOL	0,03
104	53,12	SESQUITERPENOL	0,04
105	53,62	SESQUITERPENOL	0,02
106	55,65	AROMATIC COMPOUND	0,06
107	56,02	SESQUITERPENOL	0,03
108	56,12	AROMATIC COMPOUND	0,02
109	56,36	AROMATIC COMPOUND	0,03
110	56,46	SESQUITERPENOL	0,04
111	56,89	SESQUITERPENOL	0,03
112	57,33	METHYL ANISATE	0,06
113	57,47	SESQUITERPENOL	0,06
114	57,91	COMPOUND Mw=186	0,07
115	58,07	DIHYDROCHAMAZULEN ISOMER	1,14
116	59,27	SESQUITERPENIC EPOXIDE	0,02
117	59,43	SPATHULENOL	0,05
118	60,18	DIHYDROCHAMAZULEN ISOMER	1,60
119	60,96	PENTADECANONE TRIMETHYL	0,05
120	61,60	SESQUITERPENOL	0,05

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: TANSY BLUE ESSENTIAL OIL - 11142

Peak	RT (min)	Compound name	%
121	61,95	AGAROSPIROL	0,13
122	62,12	THYMOL	0,81
123	62,53	SESQUITERPENOL	0,07
124	63,44	CARVACROL	0,06
125	63,68	SESQUITERPENOL	0,06
126	63,95	SESQUITERPENOL	0,02
127	64,27	alpha-EUDESMOL	0,02
128	64,48	beta-EUDESMOL	0,59
129	64,94	alpha-CADINOL	0,03
130	65,58	AROMATIC COMPOUND	0,03
131	65,93	AROMATIC COMPOUND Mw=286 ISOMER	0,17
132	66,12	AROMATIC COMPOUND Mw=286 ISOMER	0,73
133	67,36	SESQUITERPENIC EPOXIDE	0,06
134	67,80	SESQUITERPENIC EPOXIDE	0,04
135	69,21	AROMATIC COMPOUND	0,04
136	69,33	SESQUITERPENOL	0,04
137	69,77	GERANYL-p-CYMENE ISOMER	0,04
138	69,90	GERANYL-p-CYMENE ISOMER	0,19
139	71,03	COMPOUND Mw=220	0,03
140	71,95	<b>CHAMAZULEN</b>	<b>9,49</b>
141	72,15	6-DODECENYL-gamma-LACTONE Mw=196	0,13
142	75,06	AROMATIC COMPOUND Mw=186	0,03
143	78,66	COMPOUND Mw=182	0,03
144	79,97	AROMATIC COMPOUND	0,08
145	81,47	AROMATIC COMPOUND Mw=186	0,03
146	89,25	ALKANE COMPOUND	0,02
147	92,57	COMPOUND Mw=322	0,14
148	96,32	COMPOUND Mw=322	0,44
		<b>TOTAL</b>	<b>99,97</b>

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