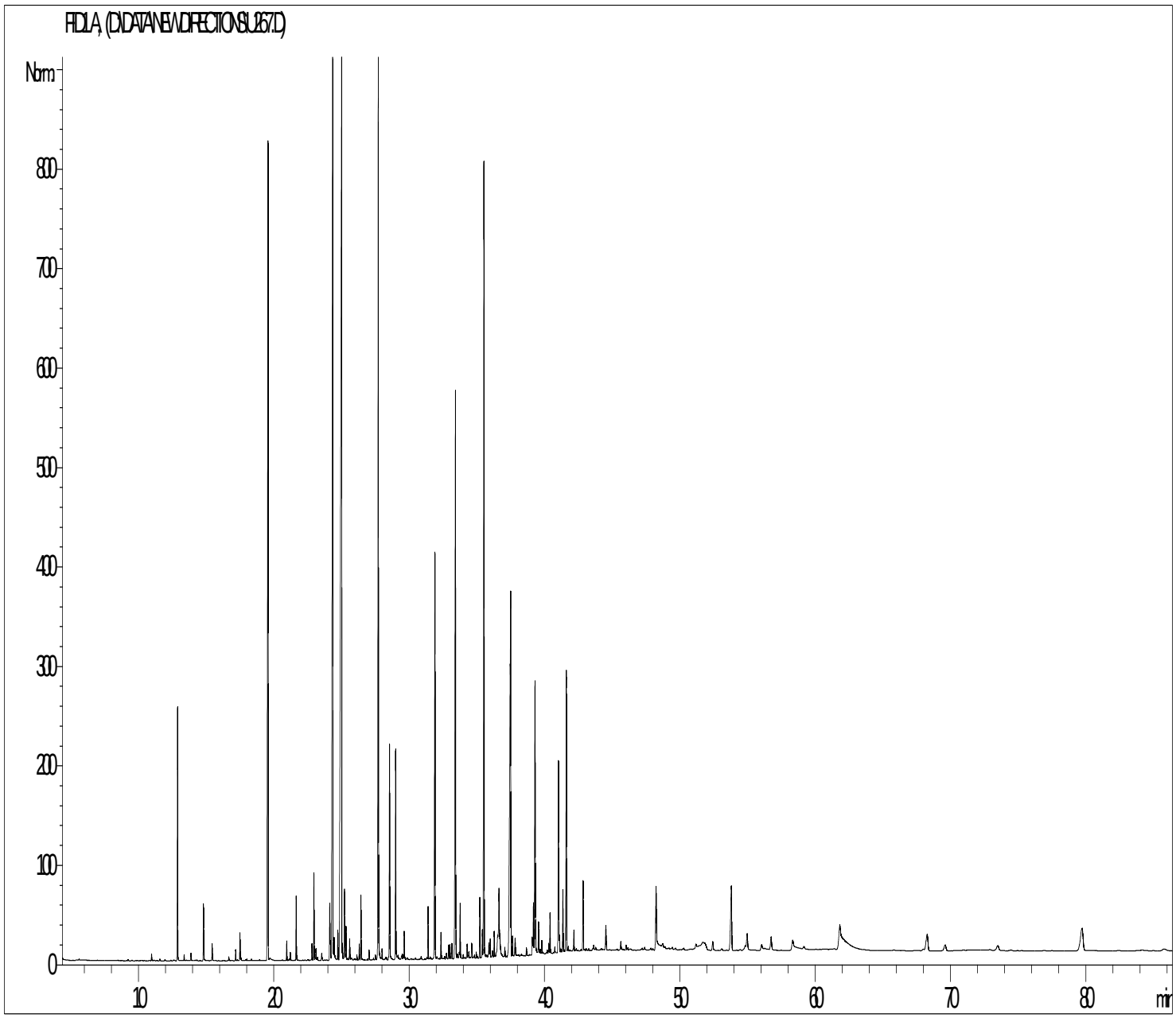
NEW DIRECTIONS
AROMATICS

GCMS ANALYSIS

PRODUCT NAME: JASMINE SAMBAC ABSOLUTE - 12005
DATE: November 20, 2018



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.

NEW DIRECTIONS AROMATICS

GCMS ANALYSIS *(cont'd.)*

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Peak	RT (min)	Compound name	%
1	10,9	Trans-beta-OCIMENE	0,04
2	11,5	HEXYL ACETATE	0,01
3	11,9	COMPOUND Mw=120	0,01
4	12,8	3-HEXEN-1-OL,ACETATE	1,83
5	13,3	2-HEXEN-1-OL,ACETATE	0,03
6	13,8	1-HEXANOL	0,06
7	14,8	3-HEXEN-1-OL	0,43
8	15,4	2-HEXEN-1-OL	0,12
9	16,6	LINALOOL Cis-OXIDE	0,02
10	17,1	Cis-3-HEXENYL BUTYRATE	0,07
11	17,3	alpha-CUBEBENE	0,01
12	17,5	LINALOOL Trans-OXIDE	0,19
13	17,6	HEXENYL ESTER	0,02
14	17,9	HEXENYL ESTER	0,01
15	18,3	alpha-COPAENE	0,01
16	19,5	**LINALOOL**	**8,10**
17	19,7	beta-CUBEBENE	0,07
18	20,9	beta-ELEMENE	0,14
19	21,1	SESQUITERPENE	0,02
20	21,2	beta-CARYOPHYLLENE	0,07
21	21,6	METHYL BENZOATE	0,46
22	22,5	ALIPHATIC ESTER	0,01
23	22,6	HEXENYL ESTER	0,01
24	22,8	ETHYL BENZOATE	0,14
25	22,9	SESQUITERPENE + ALIPHATIC ALCOHOL	0,62
26	23,1	alpha-HUMULENE	0,11
27	23,2	SESQUITEREPENE	0,02
28	23,5	gamma-MUUROLENE	0,05
29	23,6	alpha-TERPINEOL	0,02
30	24,1	GERMACRENE D	0,48

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GCMS ANALYSIS *(cont'd.)*

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Peak	RT (min)	Compound name	%
31	24,2	ALIPHATIC ESTER	0,09
32	24,3	**BENZYL ACETATE**	**10,30**
33	24,4	alpha-MUUROLENE	0,09
34	24,5	ALIPHATIC ESTER	0,02
35	24,7	BICYCLOGERMACRENE	0,21
36	25,0	**alpha-FARNESENE**	**15,49**
37	25,1	LINALOOL PYRANIC Cis-OXIDE	0,13
38	25,2	delta-CADINENE	0,65
39	25,3	gamma-CADINENE	0,31
40	25,4	SESQUITERPENE	0,03
41	25,6	METHYL SALICYLATE	0,17
42	25,7	PHENYLETHYL ESTER	0,04
43	25,9	SESQUITERPENE	0,02
44	26,1	SESQUITERPENE	0,04
45	26,3	ALIPHATIC ESTER	0,12
46	26,4	2-PHENYLMETHYL ACETATE	0,46
47	26,5	PHENYLETHYL ACETATE	0,01
48	26,9	CADINA-1,4-DIENE	0,01
49	27,0	GERANIOL	0,07
50	27,3	SESQUITERPENIC OXIDE	0,01
51	27,5	SESQUITERPENIC OXIDE	0,04
52	27,7	**BENZYL ALCOHOL**	**7,28**
53	27,9	SESQUITERPENIC OXIDE	0,09
54	28,1	BENZYLIC ESTER	0,01
55	28,2	SESQUITERPENIC OXIDE	0,02
56	28,3	SESQUITERPENIC OXIDE	0,02
57	28,5	PHENYLETHYL ALCOHOL	1,68
58	28,6	ALIPHATIC ESTER	0,03
59	28,7	COMPOUND Mw=138	0,02
60	28,9	PHENYL ACETONITRILE	1,63

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Peak	RT (min)	Compound name	%
61	29,0	HEXENYL ESTER	0,05
62	29,1	ALIPHATIC ESTER	0,07
63	29,2	CUBEBOL	0,04
64	29,4	Z-JASMONE	0,04
65	29,5	COMPOUND Mw=250 + SESQUITERPENIC OXIDE	0,04
66	30,8	ALIPHATIC ESTER	0,22
67	31,3	BENZYLIC ESTER	0,03
68	31,4	NEROLIDOL	0,35
69	31,5	BENZYLIC ESTER	0,03
70	31,9	**GERMACRENE D-4-OL**	**3,79**
71	32,3	BUTYL BENZOATE	0,15
72	32,4	METHYL CINNAMATE	0,07
73	32,7	ALIPHATIC ESTER	0,06
74	32,9	Cis-3-HEXENYL BENZOATE	0,10
75	33,0	HENEICOSANE	0,11
76	33,1	PHENYLETHYL ESTER	0,12
77	33,4	**Trans-3-HEXENYL BENZOATE**	**6,03**
78	33,5	AROMATIC COMPOUND	0,05
79	33,6	AROMATIC COMPOUND	0,05
80	33,7	BENZYLIC ESTER	0,42
81	33,9	EUGENOL	0,03
82	34,3	T-CADINOL	0,11
83	34,4	DOCOSANE	0,08
84	34,6	alpha-MUUROLOL	0,14
85	34,8	delta-CADINOL	0,04
86	34,9	2,7-OCTADIENE-1,6-DIOL, 2,6-DIMETHYL	0,05
87	35,2	METHYL PALMITATE	0,45
88	35,4	DOCOSENE ISOMER	0,23
89	35,5	**METHYL ANTHRANILATE**	**7,20**
90	35,8	2,7-OCTADIENE-1,6-DIOL, 2,6-DIMETHYL ISOMER	0,12

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Peak	RT (min)	Compound name	%
91	35,9	FARNESYL ACETATE	0,19
92	36,1	Z-JASMOLACTONE	0,08
93	36,3	CINNAMIC ALCOHOL	0,22
94	36,4	INDOLE	0,30
95	36,6	BENZYL NITRILE	1,15
96	37,0	TRICOSANE	0,09
97	37,4	**9-TRICOSENE**	**6,10**
98	37,5	METHYL JASMONATE	0,11
99	37,6	FARNESOL	0,16
100	37,8	TETRACOSANE + OLEIC ALCOHOL	0,21
101	38,6	TETRACOSENE	0,06
102	39,0	BENZOIC ACID	0,18
103	39,2	METHYL STEARATE	0,42
104	39,3	**INDOLE**	**2,93**
105	39,5	METHYL OLEATE	0,31
106	39,7	ALIPHATIC ESTER	0,07
107	39,8	ALIPHATIC ESTER	0,14
108	40,3	N-METHYL-ACETYL-ANTHRANILATE	0,11
109	40,4	**METHYL LINOLEATE**	**0,35**
110	40,7	ALIPHATIC ESTER	0,10
111	41,0	GERANYLLINALOL	1,65
112	41,1	BENZYLIC ESTER	0,17
113	41,3	1-BUTANONE,2-METHYL-1-PHENYL	0,47
114	41,6	METHYL LINOLENATE	2,43
115	42,1	ETHYL LINOLENATE	0,16
116	42,8	BENZYL BENZOATE	0,63
117	43,6	METHYL ARACHIDATE	0,07
118	44,5	PHENYLETHYL ESTER	0,26
119	45,6	AROMATIC COMPOUND	0,09
120	46,0	BENZYL SALICYLATE	0,08

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Peak	RT (min)	Compound name	%
11	48,2	PALMITIC ACID	1,45
122	52,4	AROMATIC COMPOUND	0,15
123	53,0	SQUALENE	1,15
124	54,9	AROMATIC COMPOUND	0,43
125	56,0	OLEIC ACID	0,15
126	56,7	PHENYLETHYL ESTER	0,26
127	58,3	LINOLEIC ACID	0,48
128	61,8	**LINOLENIC ACID**	**2,05**
129	68,3	AROMATIC COMPOUND	0,51
130	69,6	PHENYLETHYL ESTER	0,18
131	73,5	AROMATIC COMPOUND	0,17
132	79,7	PHENYLMETHYL LINOLENATE	0,96
		TOTAL	**99,77**

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