

Customer :

KOBASHI

**For the attention of Scott Ballard
Higher Cotley Barn, Cotley Lane,
DUNSFORD, Devon EX6 7BH
U.K.**

Sample Nature : ABSOLUTE
Botanical name : JASMINUM SAMBAC
Sample name : JASMINUM SAMBAC
Batch number : 20216 EJASS
Origin : CHINA
Plant part : FLOWER
Our reference : BX75

Receipt : 02/07/2020

Analysis date : 03/06/2020

Packaging : Transparent flask of 2 ml

Requested analysis : GC

Sample storage : 1 year - room temperature

The above informations are provided by the customer and sampling is under his responsibility

Comments and conclusions :

Presence of Plinol : Synthetic linalool

Report validated by :

Daniel Dantin - *Laboratory director*



Report written by :

Fanny Delater - *Analyst technician*

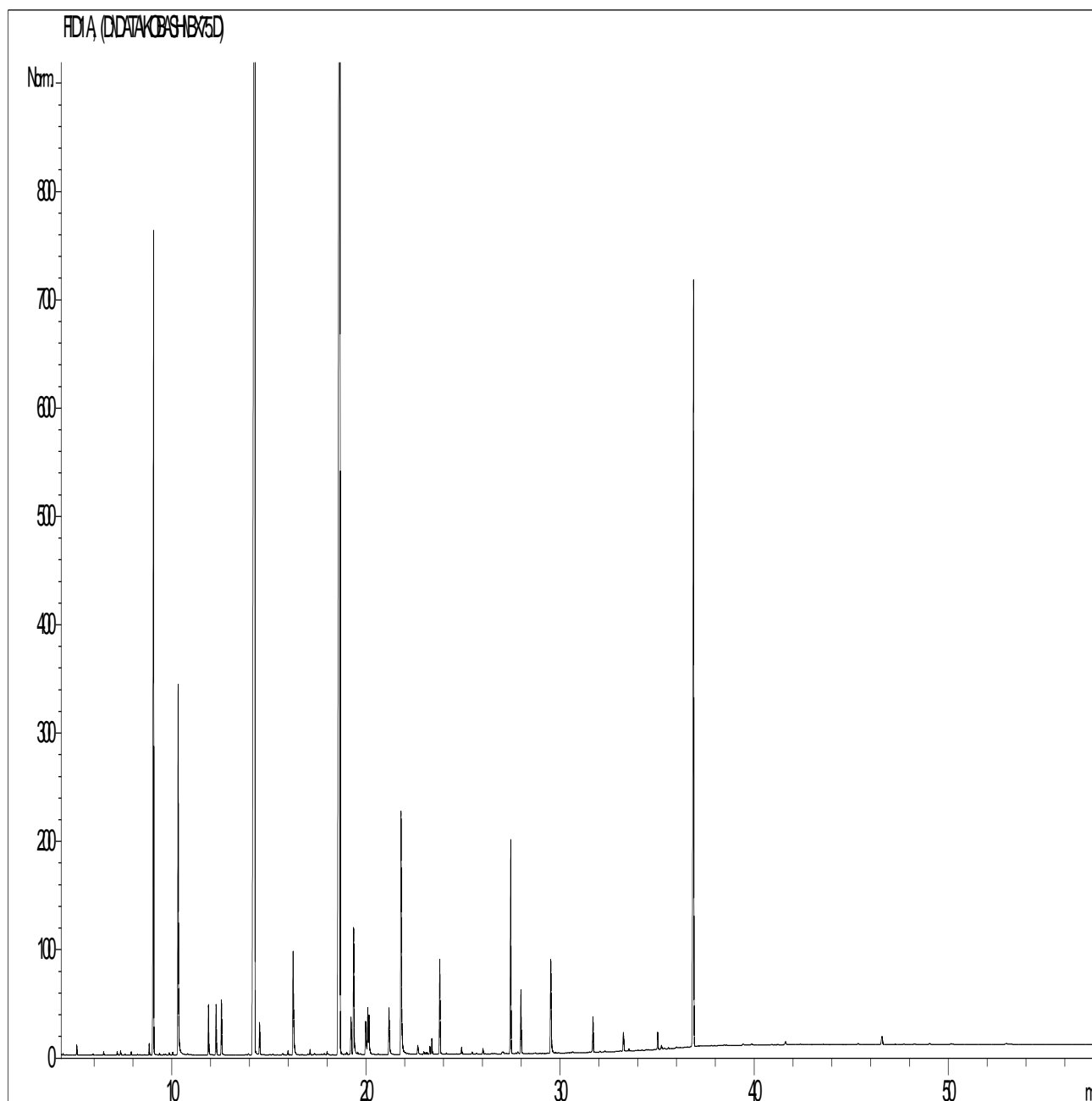


GAS CHROMATOGRAPHY (according to the norm NF ISO 11024)

Analysis conditions :

- . GC/MS Agilent 7890 / 5975 – Column : VF WAX (polaire) 60 m * 0.25 mm * 0.25 µm
- . GC/FID Agilent 6890 – Column : VF WAX (polaire) 60 m * 0.25 mm * 0.25 µm
- . Temperature program : 5 min to 65°C - 5°C/min until 250°C - 90 min to 250°C
- . Carrier gas : He (23 psis/MS – 30 psis/FID)
- . Sample injection / split : 1 µl of 10 % solution in hexane
- . Mass range : 30 to 350 - Oil compounds are identified by a combination of retention times and mass spectra library (our own database and NIST commercial database).
- . Percentages are calculated from GC/FID peaks areas without using corrections factors.
- . Peaks identification limit : 0.01 %

Chromatographic profile :



Identification results : JASMINUM SAMBAC CHINA BATCH N° 20216 EJASS					
Peaks	RT (min)	Compound name	%	Norm (%)	Allergens (%)
1	5.10	alpha-PINENE	0.06		
2	5.94	beta-PINENE	0.01		
3	6.48	beta-MYRCENE	0.02		
4	7.18	LIMONENE	0.03		0.03
5	7.36	beta-PHELLANDRENE	0.04		
6	7.58	Cis-beta-OCIMENE	0.01		
7	7.90	Trans-beta-OCIMENE	0.02		
8	8.23	HEXYL ACETATE	0.01		
9	8.34	p-CYMENE	0.01		
10	8.59	TERPINOLENE	0.00		
11	8.83	4-HEXEN-1-OL, ACETATE	0.09		
12	9.06	3-HEXEN-1-OL, ACETATE	7.64		
13	9.36	2-HEXEN-1-OL, ACETATE	0.02		
14	9.58	1-HEXANOL	0.01		
15	9.67	2-PENTANONE, 4-HYDROXY-4-METHYL-	0.01		
16	9.86	4-HEXEN-1-OL	0.02		
17	10.04	ROSE, cis-OXID	0.02		
18	10.32	3-HEXEN-1-OL	3.29		
19	10.81	2-HEXEN-1-OL	0.02		
20	11.88	LINALOOL CIS-OXIDE	0.42		
21	12.07	HEXENYLIC ESTER	0.01		
22	12.28	BUTYRATE, 3-HEXENYL	0.48		
23	12.55	LINALOOL TRANS-OXIDE	0.47		
24	13.80	BENZALDEHYDE	0.01		
25	13.94	CAMPHOR	0.02		
26	14.27	LINALOOL	31.02		31.02
27	14.52	LINALYL ACETATE	0.29		
28	15.21	PLINOL	0.01		
29	15.70	ALIPHATIC ALCOHOL	0.02		
30	15.98	beta-CARYOPHYLLENE	0.04		
31	16.24	METHYL BENZOATE	1.27		
32	17.00	HEXENYLIC ESTER	0.01		
33	17.12	CITRONELLYL ACETATE	0.04		
34	17.35	1-NONANOL	0.02		
35	17.70	PHENYLMETHYL ESTER	0.01		
36	17.85	gamma-MUUROLENE	0.02		
37	18.00	alpha-TERPINEOL	0.03		
38	18.06	GERMACRENE D	0.01		
39	18.66	BENZYL ACETATE	32.54		
40	18.71	NERAL	0.02		0.02
41	19.01	FARNESENE ISOMER	0.03		
42	19.23	alpha-FARNESENE + GERANYL ACETATE	0.41		
43	19.37	CITRONELLOL	1.33		1.33
44	19.57	delta-CADINENE	0.04		
45	19.72	SESQUITERPENE	0.02		
46	19.99	METHYL SALICYLATE	0.41		
47	20.10	PHENYLMETHYL ESTER	0.42		
48	20.16	NEROL	0.44		
49	21.19	GERANIOL	0.51		0.51
50	21.81	BENZYL ALCOHOL	2.73		2.73
51	22.03	SESQUITERPENIC OXIDE	0.03		
52	22.15	ALIPHATIC ESTER	0.02		
53	22.23	SESQUITERPENIC OXIDE	0.01		
54	22.67	PHENYLETHYL ALCOHOL	0.12		

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55	22.98	PHENYLACETONITRILE	0.02		
56	23.08	ALIPHATIC ESTER	0.02		
57	23.16	ALIPHATIC ALCOHOL	0.02		
58	23.30	2,6-DIMETHYL-3,7-OCTADIENE-2,6-DIOL	0.06		
59	23.40	E-JASMONE	0.15		
60	23.81	Z-JASMONE	0.89		
61	24.15	ALIPHATIC ESTER	0.01		
62	24.93	METHYLEUGENOL	0.07		
63	25.48	SESQUITERPENIC OXIDE	0.02		
64	25.70	NEROLIDOL	0.01		
65	26.03	SESQUITERPENOL Mw=222	0.05		
66	26.49	METHYL, n-METHYL-ANTHRANILATE	0.01		
67	26.59	BENZYLIC ESTER	0.01		
68	27.02	Cis-3-HEXENYL BENZOATE	0.02		
69	27.07	HENEICOSANE	0.03		
70	27.22	BENZYLIC ESTER	0.01		
71	27.46	Trans-3-HEXENYL BENZOATE	1.93		
72	27.74	10-HENEICOSANE	0.01		
73	27.83	BENZYLIC ESTER	0.03		
74	27.99	EUGENOL	0.61		0.61
75	28.74	EICOSANE	0.01		
76	29.52	METHYL ANTHRANILATE	1.11		
77	29.75	alpha-CADINOL	0.01		
78	30.65	SESQUITERPENIC OXIDE	0.02		
79	31.70	EICOSENE	0.33		
80	31.77	EICOSENE ISOMER	0.01		
81	32.06	ALIPHATIC ESTER	0.02		
82	32.32	BENZYLIC ESTER	0.02		
83	33.26	INDOLE ISOMER	0.24		
84	33.55	9-TRICOSENE	0.02		
85	34.02	BENZYLIC ESTER	0.01		
86	34.22	BENZYLIC ESTER	0.01		
87	34.45	METHYL LINOLEATE	0.01		
88	35.03	GERANYLLINALOL	0.17		
89	35.22	METHYL-N-FORMYLANTHRANILATE	0.05		
90	35.36	ALIPHATIC ESTER	0.02		
91	35.59	ALIPHATIC ESTER	0.02		
92	36.00	ALIPHATIC ESTER	0.02		
93	36.88	BENZYL BENZOATE	8.88		8.88
94	39.43	AROMATIC COMPOUND	0.02		
95	39.86	AROMATIC COMPOUND	0.02		
96	41.61	PALMITIC ACID	0.04		
97	45.36	AROMATIC COMPOUND	0.02		
98	46.58	SQUALENE	0.14		
99	49.04	PHENYLETHYL ESTER	0.02		
100	50.15	LINOLEIC ACID	0.02		
101	52.98	AROMATIC COMPOUND	0.03		
102	58.73	AROMATIC COMPOUND	0.04		
103	59.81	PHENYLETHYL ESTER	0.02		
104	63.91	AROMATIC COMPOUND	0.05		
105	68.03	PHENYLMETHYL LINOLENATE	0.05		
		TOTAL	100.00		45.11