

Orange Blossom Absolute

orange-blossom-absolute - Lot 17

SECTION - CERTIFICATE OF ANALYSIS

Material	Orange Blossom Absolute
Botanical name	Citrus aurantium var. amara
Country of origin	Egypt
Cultivation method	Conventional
Type	Absolute
Extraction method	Solvent extraction
Plant part	Flowers
Intended use	Natural perfumery
Veriscents SKU	orange-blossom-absolute
Lot number	17
Manufacturing date	March 2025
Best by date	March 2030

Lot specifications

Test	Specification	Lot 17 result
Specific gravity @ 20 C	0.900 - 0.945	0.9108
Refractive index @ 20 C	1.473 - 1.495	1.4751
Optical rotation @ 20 C	-15 deg to -1 deg	n/a
Physical appearance	Viscous liquid	Conforms
Color	Orange-brown	Conforms
Odor	Warm, floral	Conforms
Solubility	Soluble in alcohol and fixed oils	-
Special use instructions	Dilute before use	-
Primary constituents	Linalool 35-60%; Linalyl Acetate 10-25%	-

GC/MS analysis - Lot 17

The following chromatographic composition is transcribed from the lot-specific analytical report supplied with this material. Values are percentages reported by the source laboratory.

Peak	RT (min)	Compound	%	Allergen %
1	4.70	ETHANOL	0.70	
2	6.38	ALIPHATIC ALCOHOL	0.02	
3	6.92	beta-PINENE	0.36	0.36
4	7.06	SABINENE	0.07	
5	7.64	beta-MYRCENE	0.08	
6	8.03	ALIPHATIC ALCOHOL	0.01	
7	8.49	LIMONENE	1.40	1.40
8	8.72	beta-PHELLANDRENE	0.02	
9	9.03	cis-beta-OCIMENE	0.11	
10	9.43	trans-beta-OCIMENE	0.68	
11	9.83	HEXYL ACETATE	0.02	
12	10.27	TERPINOLENE	0.01	0.01
13	10.67	1,3,7-NONATRIENE, 4,8-DIMETHYL-	0.02	
14	10.85	3-HEXEN-1-OL ACETATE	0.02	
15	11.23	4-HEXEN-1-OL ACETATE	0.01	
16	11.41	5-HEPTEN-2-ONE, 6-METHYL-	0.02	
17	11.53	1-HEXANOL	0.11	
18	12.35	3-HEXEN-1-OL	0.04	
19	12.85	2-HEXEN-1-OL	0.06	

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Peak	RT (min)	Compound	%	Allergen %
20	14.04	LINALOOL cis-OXIDE	0.08	
21	14.10	ACETIC ACID	0.01	
22	14.30	5-HEPTEN-2-OL, 6-METHYL-	0.01	
23	14.53	trans-THUYANOL	0.02	
24	14.76	LINALOOL trans-OXIDE	0.13	
25	15.19	MYROXIDE	0.01	
26	16.62	LINALOOL	52.75	52.75
27	17.01	LINALYL ACETATE	13.92	13.92
28	17.78	BORNYL ACETATE	0.01	
29	18.17	TERPINENE-4-OL	0.01	
30	18.40	beta-CARYOPHYLLENE	0.07	0.07
31	18.72	METHYL BENZOATE	0.02	
32	19.70	E-beta-FARNESENE	0.01	
33	19.82	ETHYL BENZOATE	0.02	
34	20.43	alpha-TERPINEOL	0.14	0.14
35	20.57	HEPTADECANE	0.05	
36	21.05	8-HEPTADECENE	0.03	
37	21.12	NERYL ACETATE	0.06	
38	21.38	cis-PYRANIC LINALOOL OXIDE	0.02	
39	21.72	E,E-alpha-FARNESENE	0.06	
40	21.84	GERANYL ACETATE	0.12	0.12
41		trans-PYRANIC LINALOOL OXIDE		
42	22.59	LILAC ALCOHOL C	0.03	
43	22.77	NEROL	0.09	
44	23.06	cis-EPOXYLINALYL ACETATE	0.01	
45	23.19	trans-EPOXYLINALYL ACETATE	0.02	
46	23.33	2-PHENYLETHYL ACETATE	0.08	
47	23.52	LILAC ALCOHOL D	0.02	
48	23.81	GERANIOL	0.16	0.16
49	24.24	PHENOLIC COMPOUND	0.04	
50	24.35	KETONIC COMPOUND	0.02	
51	24.56	BENZYL ALCOHOL	0.02	0.02
52	24.64	MYRCEN-8-OL	0.01	
53	25.32	NONADECANE	0.02	
54	25.42	PHENYLETHYL ALCOHOL	0.41	
55	25.93	PHENYLACETONITRILE	0.30	
56	26.31	HEXENYLIC ESTER	0.02	
57	26.42	trans-JASMONE	0.04	
58	26.58	2-HEXENOIC ACID	0.02	
59	27.59	CARYOPHYLLENE OXIDE	0.02	
60	27.89	TERPENIC COMPOUND	0.02	
61	28.20	NEROLIDOL	1.92	
62	28.53	CAPRYLIC ACID	0.01	
63	28.75	GERMACRENE D-4-OL	0.02	
64	29.30	METHYL, N-METHYL-ANTHRANILATE	0.01	
65	29.60	TERPENIC COMPOUND	0.06	
66	29.80	1,7-OCTADIENE-3,6-DIOL, 2,6-DIMETHYL-	0.04	
67	30.11	AROMATIC COMPOUND	0.05	

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68	30.20	OCTADIENEDIOL, DIMETHYL- ISOMER	0.04	
69	30.43	TERPENIC COMPOUND	0.02	
70	31.26	ALIPHATIC DIOL	0.02	
71	31.44	4-VINYL-GUAIACOL	0.10	
72	31.78	OCTADIENEDIOL, DIMETHYL- ISOMER	0.10	
73	32.05	METHYL PALMITATE	0.03	
74	32.11	TERPENIC ALCOHOL	0.07	
75	32.48	METHYL ANTHRANILATE	0.59	
76	32.70	SESQUITERPENIC COMPOUND	0.05	
77	32.78	ETHYL PALMITATE	0.11	
78	32.86	FARNESYL ACETATE	0.07	
79	33.46	2,7-OCTADIENE-1,6-DIOL, 2,6-DIMETHYL-	0.29	
80	33.56	ALIPHATIC ESTER	0.03	
81	33.76	FARNESOL ISOMER	0.08	
82	34.13	GERANIC ACID	0.03	
83	34.53	E,E-FARNESOL	3.55	3.55
84	35.03	ALIPHATIC ESTER	0.03	
85	35.80	KETONIC COMPOUND	0.03	
86	36.36	INDOLE	0.75	
87	36.68	METHYL OLEATE	0.02	
88	36.74	AROMATIC COMPOUND	0.03	
89	36.82	LAURIC ACID	0.02	
90	37.07	ETHYL OLEATE	0.05	
91	37.31	METHYL LINOLEATE	0.04	
92	37.47	PENTACOSANE	0.03	
93	37.83	PENTACOSENE	0.03	
94	37.96	ETHYL LINOLEATE	0.08	
95	38.59	ALIPHATIC ESTER	0.03	
96	38.86	AROMATIC COMPOUND	0.03	
97	39.25	METHYL LINOLENATE	0.08	
98	39.40	PHYTOL	0.06	
99	39.65	ALIPHATIC ESTER	0.02	
100	40.97	MYRISTIC ACID	0.05	
101	41.59	TERPENIC COMPOUND	0.14	
102	42.05	ALIPHATIC ESTER	0.02	
103	42.57	COMPOUND Mw=220	0.05	
104	43.03	KETONIC COMPOUND	0.02	
105	43.46	PENTADECANOIC ACID	0.05	
106	43.64	AROMATIC COMPOUND	0.05	
107	45.37	ALIPHATIC ALCOHOL	0.08	
108	46.47	PALMITIC ACID	3.40	
109	48.86	ALIPHATIC COMPOUND	0.05	
110	50.05	ALIPHATIC COMPOUND	0.02	
111	52.24	ALIPHATIC COMPOUND	0.03	
112	53.16	SQUALENE	4.02	
113	54.56	STEARIC ACID	0.94	
114	56.08	OLEIC ACID	2.50	
115	58.18	ALIPHATIC COMPOUND	0.12	

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Peak	RT (min)	Compound	%	Allergen %
116	58.98	LINOLEIC ACID	2.11	
117	62.56	PHENYLETHYLIC ESTER	0.16	
118	63.30	LINOLENIC ACID	2.15	
119	67.70	ACID COMPOUND	0.25	
120	70.95	2,3-EPOXY-SQUALENE	1.24	
121	78.73	BERGAPTEN	0.23	
122	79.99	AROMATIC COMPOUND	0.12	
123	82.64	AROMATIC COMPOUND	0.11	
124	88.79	AROMATIC COMPOUND	0.10	
125	96.46	TERPENIC COMPOUND	0.33	
126	104.12	TERPENIC COMPOUND	0.10	
		Total identified	99.69	72.50

Quality statement

This lot is represented as a 100% pure and natural Orange Blossom Absolute. The analytical results above apply to Lot 17. This Veriscents COA reproduces the material and lot data supplied to Veriscents; it does not represent independent testing by Veriscents.