



# Jade Bloom

Health, Healing, & Happiness®

**Date:** March 30, 2022

## **CERTIFICATE OF ANALYSIS - GC PROFILING**

**Sample identification:** Rose Absolute - 211212566

**Type:** Essential oil

**Source:** Rosa damascena

**Country of Origin:** Turkey

### **ANALYSIS**

**Method:** 121min\_1:1split.m - Analysis of the composition of an essential oil, or other volatile liquid, by GC-FID, identifications validated by GC-MS.

**Analysis date:** February 3, 2022

**Physical aspect:** Bright orange viscous liquid

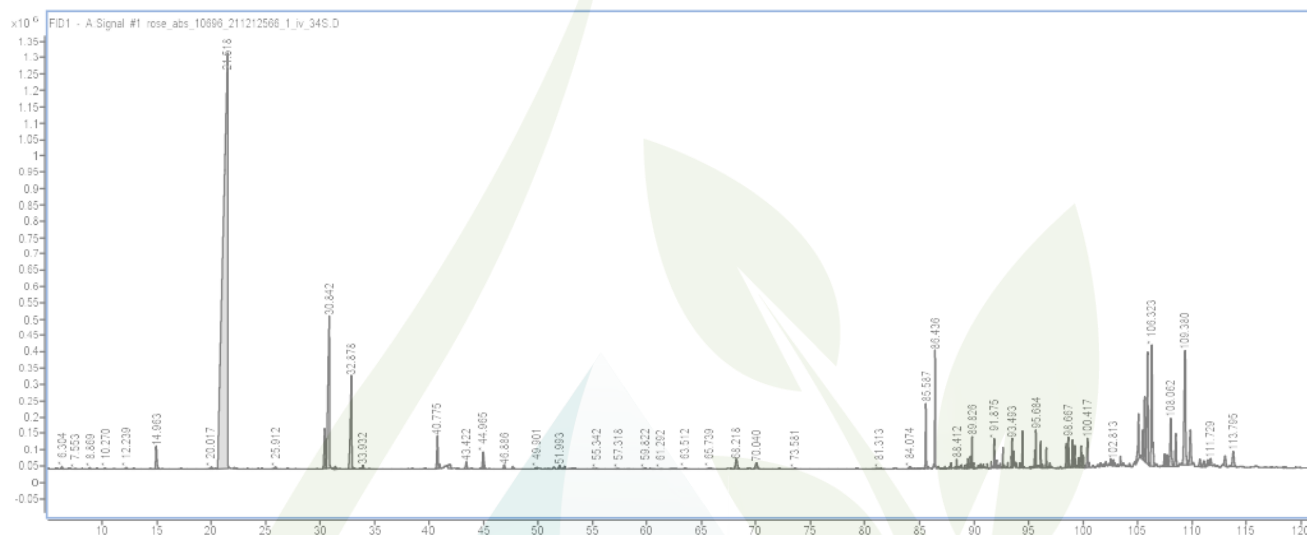
### **CONCLUSION**

No adulterant or contaminant has been detected in this oil.

Peak	Compound	RT	Area Sum %
1	cis-2-Hexenol	6.304	0.04
2	Heptanal	7.553	0.01
3	$\alpha$ -Pinene	8.869	0.03
4	Benzaldehyde	10.27	0.02
5	$\beta$ -Myrcene	12.239	0.04
6	6-Methyl-5-hepten-2-ol	12.881	0.01
7	o-Cymene	14.452	0.01
8	Limonene	14.623	0.01
9	Benzyl alcohol	14.963	0.73
10	Linalool	20.017	0.07
11	Phenylethyl Alcohol	21.518	49.9
12	trans-Rose oxide	22.134	0.03
13	Terpinen-4-ol	25.912	0.09
14	Nerol	30.427	1.21
15	Citronellol	30.842	6.41
16	Neral	31.397	0.09
17	Geraniol	32.878	3.47
18	Geranial	33.932	0.1
19	Eugenol	40.775	0.93
20	Citronellyl acetate	40.959	0.12
21	unknown	41.969	0.27
22	Geranyl acetate	43.422	0.24
23	Methyleugenol	44.965	0.42
24	$\beta$ -Caryophyllene	45.01	0.16
25	$\alpha$ -Guaiene	46.886	0.12
26	$\alpha$ -Humulene	47.687	0.08
27	Germacrene D	49.901	0.05
28	unknown	50.951	0.03
29	$\delta$ -Guaiene	51.993	0.1
30	Pentadecane	52.424	0.07
31	$\alpha$ -Elemol	55.342	0.03
32	Caryophyllene oxide	57.318	0.02
33	Phenethyl hexanoate	58.272	0.01
34	Humulene epoxide II	59.822	0.04
35	unknown	60.596	0.01
36	unknown	61.292	0.01
37	unknown	62.632	0.07
38	unknown	63.512	0.04
39	(8Z)-Heptadecene	65.739	0.08
40	Heptadecane	68.218	0.46
41	(2Z,6E)-Farnesol	70.04	0.27
42	Benzyl Benzoate	73.581	0.02
43	Octadecane	81.313	0.09
44	Phenylethyl benzoate	84.074	0.05
45	(9Z)-Nonadecene	85.587	1.24

46	Nonadecane	86.436	1.71
47	(9Z)-Eicosene	87.908	0.09
48	Eicosane	88.412	0.1
49	unknown	89.344	0.04
50	unknown	89.449	0.1
51	(10Z)-Henicosene	89.677	0.1
52	Heneicosane	89.826	0.28
53	unknown	89.977	0.05
54	unknown	91.59	0.06
55	unknown	91.875	0.44
56	unknown	92.082	0.06
57	unknown	92.211	0.03
58	Geranyl laurate	92.407	0.04
59	Tetradecyl octanoate	92.652	0.17
60	Tetradecyl nonanoate	93.493	0.41
61	unknown	93.648	0.12
62	unknown	93.852	0.04
63	unknown	94.209	0.06
64	Pentadecyl octanoate	94.467	0.56
65	unknown	95.587	0.3
66	Phenylethyl myristate	95.684	0.51
67	Citronellyl myristate	96.127	0.39
68	unknown	96.29	0.05
69	Geranyl myristate	96.639	0.35
70	unknown	96.964	0.11
71	unknown	98.483	0.6
72	Phenylethyl palmitoleate	98.667	0.7
73	Phenethyl palmitate	99.047	0.72
74	Citronellyl linolenate	99.254	0.52
75	unknown	99.623	0.24
76	Geranyl palmitoleate	99.829	0.62
77	unknown	100.035	0.3
78	Geranyl palmitate	100.417	0.66
79	unknown	102.813	0.17
80	unknown	105.104	1.23
81	unknown	105.489	0.62
82	unknown	105.659	1.65
83	unknown	105.935	3.37
84	unknown	106.323	3.85
85	unknown	107.49	0.34
86	unknown	107.71	0.33
87	unknown	108.062	1.73
88	unknown	108.523	0.99
89	unknown	109.38	4.71
90	unknown	109.863	1.26
91	unknown	110.74	0.22
92	unknown	111.109	0.25

93	unknown	111.454	0.18
94	unknown	111.729	0.21
95	unknown	113.047	0.4
96	unknown	113.795	0.64
	<b>Total identified</b>		<b>79.53%</b>



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