

Client



Source



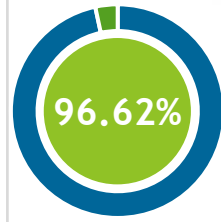
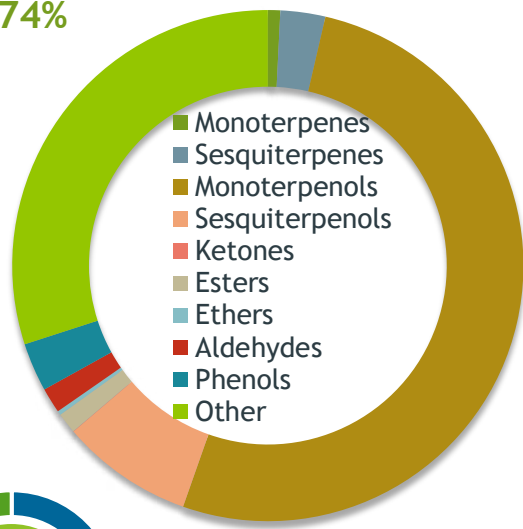
Rose, Otto (*Rosa damascena*)
BG-59323

Sample

Rose, Otto (*Rosa damascena*)
Batch #:..... | BG-59323
Type:..... | Essential Oil
CAS Number:... | 8007-01-0
Nature's Gift

Monoterpenols

51.74%



Percentage Identified

Client



Website



Primary

23.72% | Citronellol
16.15% | Geraniol
13.37% | Nonadecane

Result



Conclusion

No adulterants, diluents, or contaminants were detected via this method. This oil meets the expected profile for genuine Essential Oil of Rose, Otto (*Rosa damascena*)

Internal Number: | EVS-5587



Essential Validation Services

747 SW 2nd Ave IMB 12 Suite 306
Gainesville, FL 32601

317.361.5044 |
<https://essentialvalidationservices.com/>

Alan Christen

Monoterpenes	0.78%
Sesquiterpenes	2.84%
Monoterpenols	51.74%
Sesquiterpenols	8.37%
Ketones	0.02%
Esters	1.31%
Ethers	0.26%
Aldehydes	1.60%
Phenols	3.07%
Other	29.97%

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- Essential Oil testing is performed by using qualitative GC-MS. Method: SOP.T.01 Client Method
- This report may not be published without the consent of Essential Validation Services.
- Chromatograph image may be requested
- This report is valid for 1 year from the analyzed date

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Rose, Otto (*Rosa damascena*)

BG-59323

Total Percentage		96.62%		
Number	RT	Area %	Compound Name	Chemical Family
1	4.37	0.02%	Hexanal	Aliphatic Aldehyde
2	5.81	0.01%	cis-Hex-3-en-1-ol	Aliphatic Alcohol
3	6.22	0.09%	1-Hexanol	Aliphatic Alcohol
4	7.27	0.18%	Heptanal	Aliphatic Aldehyde
5	8.38	0.30%	alpha-Pinene	Monoterpene
6	10.11	0.07%	beta-Pinene	Monoterpene
7	10.50	0.02%	6-Methyl-5-hepten-2-one	Aliphatic Ketone
8	10.69	0.22%	Myrcene	Monoterpene
9	11.82	0.02%	2-Carene	Monoterpene
10	12.16	0.01%	para-Cymene	Monoterpene
11	12.36	0.05%	Limonene	Monoterpene
12	12.46	0.02%	1,8-Cineole	Monoterpene Ether
13	12.74	0.01%	(Z)-beta-Ocimene	Monoterpene
14	13.00	0.01%	Phenylacetaldehyde	Aliphatic Aldehyde
15	13.20	0.02%	(E)-beta-Ocimene	Monoterpene
16	13.67	0.04%	gamma-Terpinene	Monoterpene
17	14.23	0.02%	cis-Linalool oxide (5) (furanoid)	Monoterpenol
18	14.90	0.02%	Isoterpinolene	Monoterpene
19	15.63	2.14%	Linalool	Monoterpenol
20	15.84	0.10%	Nonanal	Aliphatic Aldehyde
21	16.09	1.39%	2-Phenylethanol	Simple Phenolic
22	16.78	0.14%	trans-Rose oxide	Monoterpene Ether
23	17.98	0.07%	Nerol oxide	Monoterpene Ether
24	18.85	0.01%	para-Mentha-1,5-dien-8-ol	Monoterpenol
25	18.99	0.01%	1-Nonanol	Fatty alcohol
26	19.23	0.40%	Terpinen-4-ol	Monoterpenol
27	19.93	0.67%	alpha-Terpineol	Monoterpenol
28	21.39	8.18%	Nerol	Monoterpenol
29	21.64	23.72%	Citronellol	Monoterpenol
30	21.94	0.52%	Neral	Monoterpene Aldehyde
31	22.08	0.07%	cis-Isogeraniol	Monoterpenol
32	22.67	16.15%	Geraniol	Monoterpenol
33	23.27	0.67%	Geranial	Monoterpene Aldehyde
34	23.55	0.01%	Citronellyl formate	Monoterpene Ester
35	24.63	0.01%	Geranyl formate	Monoterpene Ester

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Number	RT	Area %	Compound Name	Chemical Family
36	24.787	0.01%	Tridecane	Monoterpene Ester
37	25.07	0.03%	Undecanal	Sesquiterpene Aldehyde
38	25.63	0.07%	Methyl geranate	Monoterpene Ester
39	26.88	1.32%	UK Compound	
40	27.26	0.07%	Neryl acetate	Monoterpene Ester
41	28.10	0.81%	Geranyl acetate	Monoterpene Ester
42	28.47	0.11%	beta-Elemene	Sesquiterpene
43	28.65	0.01%	Phenylethyl isobutyrate	Phenolic ester
44	28.74	0.01%	1-Tetradecene	Alkene
45	29.01	1.68%	Methyl eugenol	Phenylpropanoid
46	29.65	0.68%	beta-Caryophyllene	Sesquiterpene
47	30.09	0.05%	beta-Copaene	Sesquiterpene
48	30.36	0.34%	alpha-Guaiene	Sesquiterpene
49	30.68	0.02%	Aromadendrene	Sesquiterpene
50	30.94	0.02%	Geranylacetone	Monoterpene
51	31.12	0.30%	alpha-Humulene	Sesquiterpene
52	31.29	0.01%	26.50 Cabreuva oxide A	Monoterpene Ester
53	31.97	0.02%	gamma-Muurolene	Sesquiterpene
54	32.17	0.75%	Germacrene D	Sesquiterpene
55	32.43	0.07%	2-Phenylethyl 3-methylbutyrate	Monoterpene Ester
56	32.81	0.08%	Aciphyllene	Sesquiterpene
57	33.05	0.31%	delta-Guaiene	Sesquiterpene
58	33.18	0.30%	Pentadecane	Alkane
59	33.27	0.09%	(E,E)-alpha-Farnesene	Sesquiterpene
60	33.56	0.02%	Tridecanal	Sesquiterpene Aldehyde
61	33.72	0.09%	delta-Cadinene	Sesquiterpene
62	34.88	0.18%	Elemol	Sesquiterpenol
63	35.45	0.13%	(E)-Nerolidol	Sesquiterpenol
64	36.08	0.03%	Caryophyllene oxide	Sesquiterpene Ether
65	36.25	0.05%	2-Phenylethyl tiglate	Phenolic Ester
66	37.06	0.10%	Hexadecane	Alkane
67	37.47	0.02%	Tetradecanal	Sesquiterpene Aldehyde
68	37.61	0.03%	10-epi-gamma-Eudesmol	Sesquiterpenol
69	38.03	0.43%	gamma-Eudesmol	Sesquiterpenol
70	38.41	0.02%	T-Cadinol	Sesquiterpenol
71	38.49	0.04%	T-Muurolol	Sesquiterpenol

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72	38.87	0.87%	alpha-Eudesmol	Sesquiterpenol
73	39.86	0.38%	Tetradecanol	Monoterpenol
74	40.37	0.17%	(Z,Z)-Farnesol	Sesquiterpenol
75	40.77	2.33%	Heptadecane	Alkane
76	40.94	0.04%	(E,Z)-Farnesal	
77	41.20	1.91%	(Z,E)-Farnesol	Sesquiterpenol
78	41.92	0.05%	(E,E)-Farnesol	Sesquiterpenol
79	42.85	0.07%	Benzyl benzoate	Phenolic Ester
80	43.36	0.06%	1-Pentadecanol	Sesquiterpenol
81	44.27	0.21%	Octadecane	Alkane
82	44.77	0.03%	Hexadecanal	Sesquiterpene Aldehyde
83	45.83	0.11%	2-Phenylethyl benzoate	Phenolic Ester
84	46.72	4.48%	1-Hexadecanol	Sesquiterpenol
85	47.69	13.37%	Nonadecane	Alkane
86	50.62	0.04%	46.92 Eicosene<1->	0.00
87	50.83	1.35%	Eicosane	Alkane
88	51.04	0.01%	1-Eicosene	Diterpene
89	53.52	0.25%	1-Octadecanol	Diterpenol
90	53.92	5.95%	Heneicosane	Alkane
91	56.82	0.15%	Docosane	Alkane
92	57.33	0.02%	Phytyl acetate	Diterpene Ester
93	58.50	1.54%	Tricosane	Alkane
94	59.48	0.07%	Tetracosane	Alkane
95	60.21	0.45%	Pentacosane	Alkane
96	60.81	0.02%	Hexacosane	Alkane
97	61.32	0.30%	Heptacosane	Alkane
98	61.83	0.01%	Octacosane	Alkane
99	62.38	0.05%	Nonacosane	Alkane