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Balancing Body, Mind and Spirit with Pure Essential Oils
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Ylang Ylang VOP

Cananga odorata

Madagascar

Batch #MA-58998

Monoterpenes	0.62%
α pinene	0.33
myrcene	0.13
β pinene	0.10
limonene	0.04
(E) β ocimene	0.02

Aldehydes	0.06%
geranial	0.06

Esters	28.33%
geranyl acetate	12.49
benzyl benzoate	4.96
methyl benzoate	3.06
benzyl acetate	2.65
benzyl salicylate	1.47
(E) cinnamyl acetate	1.24
(E,E) farnesyl acetate	0.95
prenyl benzoate	0.63
prenyl acetate	0.30
3-methyl-3-buten-1-yl acetate	0.11
methyl salicylate	0.11
ethyl benzoate	0.08
(Z)-3-hexenyl acetate	0.07
hexyl acetate	0.07
geranyl benzoate	0.06
para-cresyl acetate	0.05
neryl acetate	0.03

Sesquiterpenols	2.9%
(Z,E))-farnesol	1.03
α cadinol	0.73
τ muurolol	0.54
α muurolol	0.13
junenol	0.1
caryophyllenyl alcohol	0.08
elemol	0.06
guaiol	0.05
maaliol	0.05
1-epi-cubenol	0.04
(E) nerolidol	0.03
1,10-di-epi-cubenol	0.03
viridiflorol	0.03

Monoterpenols	17.28%
linalool	15.05
geraniol	2.04
α terpineol	0.16
nerol	0.03

Ethers	5.38%
para-cresyl methyl ether	4.97
1,8 cineole	0.26
caryophyllene oxide	0.10
allo-aromadendrene epoxide	0.05

Sesquiterpenes	43.52%
germacrene d	16.59
β caryophellene	11.48
(E,E) α farnesene	4.80
α humulene	3.25
δ cadinene	1.48
(Z,E) α farnesene	1.02
β gurjunene	0.79
α muurolene	0.64
α copaene	0.61
β elemene	0.56
γ muurolene	0.56
γ cadinene	0.42
bicyclogermacrene	0.39
cis-muurola-3,5-diene	0.18
δ elemene	0.17
1-epi-Bicyclosesquiphellandrene	0.16
trans-cadina-1(6),4-diene	0.11
zonarene	0.09
α cadinene	0.08
trans-cadina-1,4-diene	0.07
α cubebene	0.07

Phenols	0.82%
eugenol	0.48
methyl chavicol	0.12
1-nitro-2-phenyl ethane	0.08
(E) anethole	0.07
para cresol	0.04
methyl eugenol	0.03

Raw Material: flowers
Production Method: Steam distillation
Date of Analysis: 10/24/2019

Client

Nature's Gift

Source

Ylang Ylang (Cananga odorata)
MA-58998

Sample

Ylang Ylang (Cananga odorata)

Batch #:.....	MA-58998
Type:.....	Essential Oil
CAS Number:...	8006-81-3

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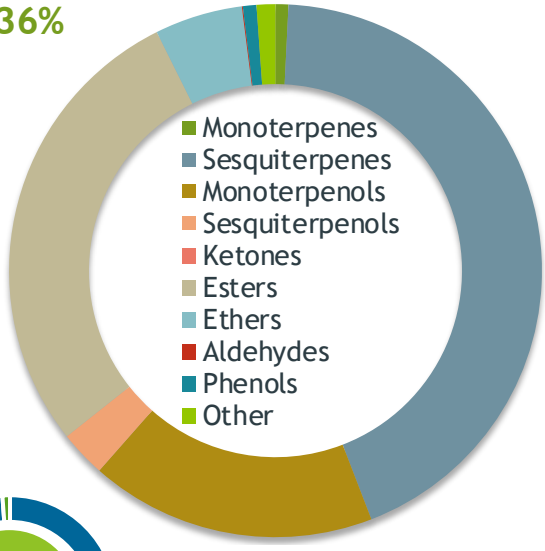
Website

Sesquiterpenes

43.36%



Percentage Identified

Primary

16.59%	Germacrene D
15.05%	Linalool
12.49%	Geranyl acetate

Result

APPROVED

Conclusion

No adulterants, Diluents, or contaminates were detected via this method. This oil meets the expected profile for genuine Essential Oil of Ylang Ylang (Cananga odorata)

Internal Number: | EVS-3332

Monoterpenes		0.78%
Sesquiterpenes	43.36%	43.36%
Monoterpenols	17.36%	17.36%
Sesquiterpenols		2.82%
Ketones		0.00%
Esters	28.33%	28.33%
Ethers	5.	5.33%
Aldehydes		0.06%
Phenols		0.82%
Other		1.14%

Essential Validation Services

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Client

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Source

Ylang Ylang (Cananga odorata)

MA-58998

Total Percentage		98.86%		
Number	**RT**	**Area %**	**Compound Name**	**Chemical Family**
1	7.12	0.11%	3-Methyl-3-buten-1-yl acetate	Aliphatic Ester
2	8.50	0.30%	Prenyl acetate	Aliphatic Ester
3	8.95	0.33%	alpha-Pinene	Monoterpene
4	10.75	0.10%	beta-Pinene	Monoterpene
5	11.33	0.13%	Myrcene	Monoterpene
6	12.01	0.07%	(Z)-3-Hexenyl acetate	Aliphatic Ester
7	12.35	0.07%	Hexyl acetate	Aliphatic Ester
8	12.62	4.97%	para-Cresyl methyl ether	Monoterpene Ether
9	13.04	0.04%	Limonene	Monoterpene
10	13.15	0.26%	1,8-Cineole	Monoterpene Ether
11	13.88	0.02%	(E)-beta-Ocimene	Monoterpene
12	15.11	0.04%	para-Cresol	Phenol
13	15.99	3.06%	Methyl benzoate	Phenolic Ester
14	16.43	15.05%	Linalool	Monoterpenol
15	19.19	2.65%	Benzyl acetate	Phenolic Ester
16	19.27	0.05%	para-Cresyl acetate	Monoterpene Ester
17	19.53	0.08%	Ethyl benzoate	Phenolic Ester
18	20.50	0.11%	Methyl salicylate	Phenolic Ester
19	20.69	0.16%	alpha-Terpineol	Monoterpenol
20	20.83	0.12%	Methyl chavicol	Phenylpropanoid
21	22.09	0.03%	Nerol	Monoterpenol
22	23.31	2.04%	Geraniol	Monoterpenol
23	24.03	0.06%	Geranial	Monoterpene Aldehyde
24	24.82	0.07%	(E)-Anethole	Phenylpropanoid
25	25.27	0.08%	1-Nitro-2-phenyl ethane	Phenol
26	26.89	0.17%	delta-Elemene	Sesquiterpene
27	27.55	0.07%	alpha-Cubebene	Sesquiterpene
28	27.69	0.48%	Eugenol	Phenylpropanoid
29	28.09	0.03%	Neryl acetate	Monoterpene Ester
30	28.75	0.61%	alpha-Copaene	Sesquiterpene
31	29.00	12.49%	Geranyl acetate	Monoterpene Ester
32	29.37	0.56%	beta-Elemene	Sesquiterpene
33	29.82	0.03%	Methyl eugenol	Phenylpropanoid
34	30.62	11.48%	beta-Caryophyllene	Sesquiterpene
35	31.01	0.79%	beta-Gurjunene	Sesquiterpene

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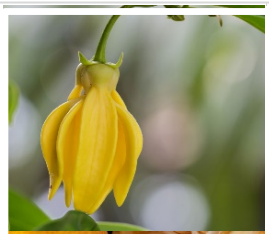

Ylang Ylang (Cananga odorata)

MA-58998

Number	RT	Area %	Compound Name	Chemical Family
36	31.629	1.24%	(E)-Cinnamyl acetate	Sesquiterpene
37	32.05	3.25%	alpha-Humulene	Sesquiterpene
38	32.31	0.18%	cis-Muurola-3,5-diene	Sesquiterpene
39	32.78	0.11%	trans-Cadina-1(6),4-diene	Sesquiterpene
40	32.92	0.56%	gamma-Muurolene	Sesquiterpene
41	33.17	16.59%	Germacrene D	Sesquiterpene
42	33.44	0.63%	Prenyl benzoate	Monoterpene Ester
43	33.53	0.16%	1-epi-Bicyclosesquiphellandrene	Monoterpene
44	33.70	0.39%	Bicyclogermacrene	Sesquiterpene
45	33.85	0.64%	alpha-Muurolene	Sesquiterpene
46	34.01	1.02%	(Z,E)-alpha-Farnesene	Sesquiterpene
47	34.18	4.80%	(E,E)-alpha-Farnesene	Sesquiterpene
48	34.41	0.42%	gamma-Cadinene	Sesquiterpene
49	34.65	1.48%	delta-Cadinene	Sesquiterpene
50	34.81	0.09%	Zonarene	Sesquiterpene
51	35.17	0.07%	trans-Cadina-1,4-diene	Sesquiterpene
52	35.34	0.08%	alpha-Cadinene	Sesquiterpene
53	35.78	0.06%	Elemol	Sesquiterpenol
54	36.34	0.03%	(E)-Nerolidol	Sesquiterpenol
55	36.84	0.05%	Maaliol	Sesquiterpenol
56	37.02	0.10%	Caryophyllene oxide	Sesquiterpene Ether
57	37.34	0.08%	Caryophyllenyl alcohol	Monoterpenol
58	37.50	0.03%	Viridiflorol	Sesquiterpenol
59	37.65	0.05%	Guaiol	Sesquiterpenol
60	38.34	0.03%	1,10-di-epi-Cubenol	Sesquiterpenol
61	38.54	0.10%	Junenol	Sesquiterpenol
62	39.02	0.04%	1-epi-Cubenol	Sesquiterpenol
63	39.19	0.05%	allo-Aromadendrene epoxide	
64	39.40	0.54%	T-Muurolol	Sesquiterpenol
65	39.51	0.13%	alpha-Muurolol	Sesquiterpenol
66	39.82	0.73%	alpha-Cadinol	Sesquiterpenol
67	42.11	1.03%	(Z,E)-Farnesol	Sesquiterpenol
68	43.80	4.96%	Benzyl benzoate	Phenolic Ester
69	46.22	0.95%	(E,E)-Farnesyl acetate	Sesquiterpene Ester
70	47.25	1.47%	Benzyl salicylate	Phenolic Ester
71	50.36	0.06%	Geranyl benzoate	Diterpene Ester

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