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Healing Body, Mind and Spirit with Pure Essential Oils
Since 1995
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Blue Lotus
Nymphaea caerulea

Batch No. TH-59290
Thailand

Aldehydes 0.5%

para anisaldehyde	0.34
benzaldehyde	0.15
nonanal	0.01

Esters 24.48%

citronellyl tiglate	12.08
ethyl linoleate	3.93
ethyl hexadecanoate	2.69
hexadecyl acetate	2.61
ethyl octadecanol	0.78
benzyl acetate	0.51
phytyl acetate	0.4
ethyl benzoate	0.31
ethyl tetradecanoate	0.26
benzyl benzoate	0.24
ethyl oleate	0.17
ethyl dodecanoate	0.12
methyl benzoate	0.11
methyl linoleate	0.08
methyl palmitate	0.07
benzyl salicylate	0.06
ethyl decanoate	0.02
ethyl isovalerate	0.02
ethyl hexanoate	0.01
methyl octadecanoate	0.01

Ethers 0.29%

anisalcohol	0.28
1,8 cineole	0.01

Ketones 0.83%

2-pentadecanone	0.68
phytone	0.07
2-hexanone	0.02
6-methyl-5-hepten-2-one	0.01
verbenone	0.01
geranylacetone	0.04

Monoterpenes 0.05%

limonene	0.03
β pinene	0.01
1-dodecanol	0.01

Monoterpenols 6.25%

tetradecanol	6.25
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Phenols 3.5%

benzyl alcohol	3.17
para cresol	0.21
2-phenylethanol	0.1
phenol	0.02

Other ####

unknown	25.48
nonadecane (C19)	9.25
phytol	5.62
pentadecane	4.34
heneicosane	2.89
tricosane	1.39
heptadecane	1.29
2-methoxy-para- cresol	0.82
pentacosane	0.3
(E) β ionone	0.21
methyl ester benzene acetic acid	0.2
heptacosane	0.12
isovaleric acid	0.09
eicosane	0.09
(E) α ionone	0.06
1-octadecanol	0.06
tetracosane	0.06
hexadecane	0.03
hexan-2-ol	0.02
tetradecane	0.02
octadecane	0.02
tridecane	0.01
dodecanoic acid	0.01

Sesquiterpenes 1.76%

β sesquiphellandrene	0.62
(E) β farnesene	0.58
(E) α bergamotene	0.27
zingiberene	0.05
(Z,E) α farnesene	0.03
(E) β ionone	0.21

Sesquiterpenols 0.7%

β ionol	0.06
(E) α ionol	0.04
1-hexadecanol	0.59
(Z,E) farnesol	0.01

Client



Source

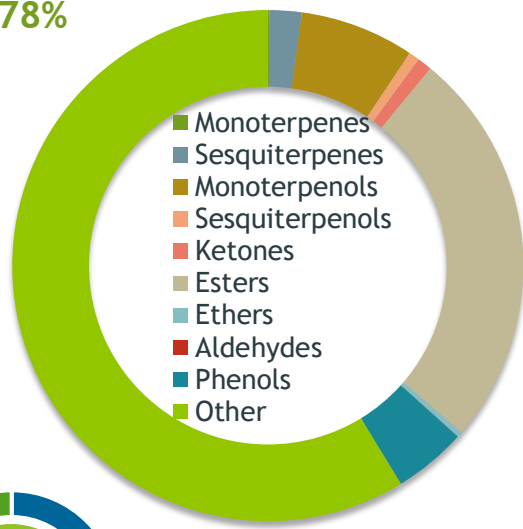
Blue Lotus (*Nymphaea caerulea*)
TH-59290

Sample

Blue Lotus (*Nymphaea caerulea*)
Batch #:..... TH-59290
Type:..... Essential Oil
CAS Number:... 0
Nature's Gift

Other

50.78%



Client

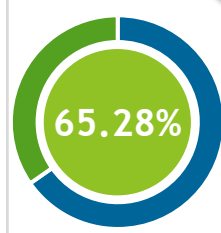


Website



Primary

12.08% | Citronellyl tiglate
9.25% | 43.92 Nonadecane (C19)
8.04% | UK Blue Lotus



Percentage Identified

Result



Conclusion

No adulterants, diluents, or contaminants were detected via this method. This oil meets the expected profile for genuine Essential Oil of Blue Lotus (*Nymphaea caerulea*)

Internal Number: | EVS-5341



Essential Validation Services

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

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

Alan Chastain

Monoterpenes	0.08%
Sesquiterpenes	1.76%
Monoterpenols	6.26%
Sesquiterpenols	0.60%
Ketones	0.79%
Esters	21.93%
Ethers	0.29%
Aldehydes	0.01%
Phenols	3.99%
Other	50.78%

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Client



Source

Blue Lotus (*Nymphaea caerulea*)

TH-59290

Total Percentage		65.28%		
Number	RT	Area %	Compound Name	Chemical Family
1	3.98	0.02%	2-Hexanone	Aliphatic Ketone
2	4.14	0.02%	Hexan-2-ol	Aliphatic Alcohol
3	5.16	0.09%	Isovaleric acid	Aliphatic Acid
4	5.43	0.02%	Ethyl isovalerate	Aliphatic Ester
5	9.08	0.15%	Benzaldehyde	Simple Phenolic
6	9.69	0.01%	beta-Pinene	Monoterpene
7	9.96	0.02%	Phenol	Phenol
8	10.09	0.01%	6-Methyl-5-hepten-2-one	Aliphatic Ketone
9	10.70	0.01%	Ethyl hexanoate	Monoterpene Ester
10	11.91	0.03%	Limonene	Monoterpene
11	12.01	0.01%	1,8-Cineole	Monoterpene Ether
12	12.21	3.17%	Benzyl alcohol	Simple Phenolic
13	14.08	0.21%	para-Cresol	Phenol
14	14.82	0.11%	Methyl benzoate	Phenolic Ester
15	15.39	0.01%	Nonanal	Aliphatic Aldehyde
16	15.62	0.10%	2-Phenylethanol	Simple Phenolic
17	17.97	0.51%	Benzyl acetate	Phenolic Ester
18	18.31	0.31%	Ethyl benzoate	Phenolic Ester
19	18.57	0.20%	14.73 Benzene acetic acid, methyl ester	0.00
20	18.78	0.42%	UK Blue Lotus	
21	18.95	0.35%	UK Blue Lotus	
22	19.16	0.82%	15.27 Cresol<2-methoxy-para->	0.00
23	19.38	0.31%	UK Blue Lotus	
24	19.45	0.41%	UK Blue Lotus	
25	19.66	0.03%	Ethyl octanoate	Monoterpene Ester
26	19.95	0.01%	Verbenone	Monoterpene Ketone
27	21.61	0.03%	Ethyl phenylacetate	Monoterpene Ester
28	22.10	0.34%	para-Anisaldehyde	Simple Phenolic
29	23.43	0.28%	Anisalcohol	Phenolic Ether
30	24.33	0.01%	Tridecane	Alkane
31	27.42	0.04%	23.55 Ionol<alpha-(E)->	0.00
32	28.41	0.02%	Ethyl decanoate	Monoterpene Ester
33	28.66	0.02%	Tetradecane	Alkane
34	28.98	0.06%	25.15 Ionol<beta->	0.00
35	29.21	0.04%	25.13 Anisyl acetate<para->	0.00

Client



Source

Blue Lotus (*Nymphaea caerulea*)
TH-59290

Number	RT	Area %	Compound Name	Chemical Family
36	29.37	0.06%	(E)-alpha-Ionone	0.00
37	29.86	0.27%	trans-alpha-Bergamotene	Sesquiterpene
38	30.51	0.04%	Geranylacetone	Monoterpene
39	30.75	0.58%	(E)-beta-Farnesene	Sesquiterpene
40	31.70	0.21%	(E)-beta-Ionone	Sesquiterpene
41	32.02	0.01%	1-Dodecanol	Monoterpenol
42	32.31	0.03%	(Z,E)-alpha-Farnesene	Sesquiterpene
43	32.40	0.05%	Zingiberene	Sesquiterpene
44	32.79	4.34%	Pentadecane	Alkane
45	33.54	0.62%	beta-Sesquiphellandrene	Sesquiterpene
46	35.24	0.01%	Dodecanoic acid	Sesquiterpene Acid
47	36.38	0.12%	Ethyl dodecanoate	Monoterpene Ester
48	36.65	0.03%	Hexadecane	Alkane
49	39.22	12.08%	Citronellyl tiglate	Monoterpene Ester
50	39.31	0.48%	UK Blue Lotus	
51	39.50	6.25%	Tetradecanol	Monoterpenol
52	40.21	0.68%	2-Pentadecanone	Sesquiterpene Ketone
53	40.37	1.29%	Heptadecane	Alkane
54	40.80	0.01%	(Z,E)-Farnesol	Sesquiterpenol
55	42.42	0.24%	Benzyl benzoate	Phenolic Ester
56	43.62	0.26%	Ethyl tetradecanoate	Monoterpene Ester
57	43.88	0.02%	Octadecane	Alkane
58	45.21	0.07%	Phytone	Aliphatic Ketone
59	45.90	0.06%	Benzyl salicylate	Phenolic Ester
60	46.54	0.59%	1-Hexadecanol	Sesquiterpenol
61	47.25	9.25%	43.92 Nonadecane (C19)	0.00
62	47.46	0.97%	UK Blue Lotus	
63	48.01	0.07%	Methyl palmitate	Fatty Acid Ester
64	50.22	2.69%	Ethyl hexadecanoate	Fatty Acid Ester
65	50.45	0.09%	Eicosane	Alkane
66	50.69	2.61%	47.45 Hexadecyl acetate	0.00
67	52.15	0.47%	UK Blue Lotus	
68	52.45	0.90%	UK Blue Lotus	
69	52.61	0.48%	UK Blue Lotus	
70	52.98	0.06%	1-Octadecanol	Diterpenol
71	53.15	0.08%	Methyl linoleate	Fatty Acid Ester

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Client



Source

Blue Lotus (Nymphaea caerulea)
TH-59290

72	53.54	2.89%	Heneicosane	Alkane
73	53.73	5.62%	Phytol	Diterpenol
74	54.26	0.01%	Methyl octadecanoate	Diterpene Ester
75	55.19	3.93%	Ethyl linoleate	Fatty Acid Ester
76	55.35	2.76%	UK Blue Lotus	
77	55.66	0.17%	Ethyl Oleate	Diterpene Ester
78	55.81	8.04%	UK Blue Lotus	
79	56.25	0.78%	Ethyl octadecanoate	Diterpene Ester
80	56.68	0.13%	53.82 Octadecanol acetate	0.00
81	56.78	0.40%	Phytyl acetate	Diterpene Ester
82	58.11	0.68%	UK Blue Lotus	
83	58.32	1.39%	Tricosane	Alkane
84	59.34	0.06%	Tetracosane	Alkane
85	60.09	0.30%	Pentacosane	Alkane
86	60.57	0.76%	UK Blue Lotus	
87	60.66	0.30%	UK Blue Lotus	
88	61.21	0.12%	Heptacosane	Alkane
89	61.51	0.94%	UK Blue Lotus	
90	61.55	0.80%	UK Blue Lotus	
91	61.67	0.33%	UK Blue Lotus	
92	61.80	5.21%	UK Blue Lotus	
93	62.38	0.51%	UK Blue Lotus	
94	63.25	0.36%	UK Blue Lotus	

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