

Client



Source

Organic Tannenbaum Lights ()  
15999

Sample

Organic Tannenbaum Lights ()  
Batch #:..... 15999  
Type:..... Essential Oil Blend  
CAS Number:.....  
Savhera

Client



Website

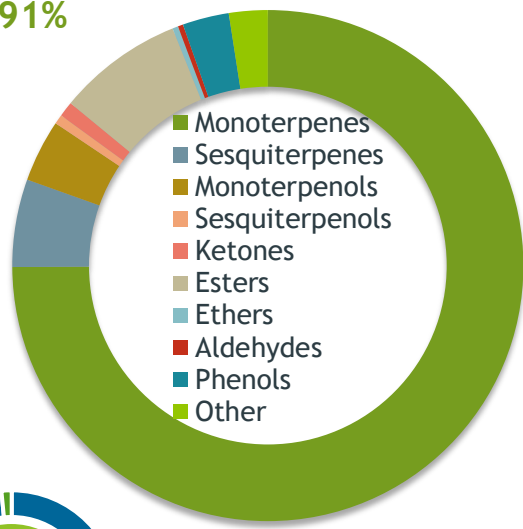


Primary

25.04% | Limonene  
17.59% | alpha-Pinene  
15.49% | beta-Pinene

Monoterpenes

74.91%



Percentage Identified

Result



Conclusion

No adulterants, diluents, or contaminants were detected via this method. This oil meets the expected profile for genuine Essential Oil Blend of Organic Tannenbaum Lights ()

Internal Number: | EVS-4640



Essential Validation Services

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

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

*Alan Christen*

Monoterpenes	74.91%	74.91%
Sesquiterpenes	5	5.55%
Monoterpenols		3.94%
Sesquiterpenols		0.60%
Ketones		0.96%
Esters	7.	7.96%
Ethers		0.36%
Aldehydes		0.33%
Phenols		2.94%
Other		2.45%

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Total Percentage		98.46%		
Number	RT	Area %	Compound Name	Chemical Family
1	4.15	0.01%	Octane	Alkane
2	4.22	0.01%	Hexanal	Aliphatic Aldehyde
3	5.64	0.01%	cis-Hex-3-en-1-ol	Aliphatic Alcohol
4	6.38	0.79%	Santene	Normonoterpene
5	6.68	0.01%	Styrene	Phenylpropanoid
6	7.74	0.69%	Tricyclene	Monoterpene
7	7.91	0.15%	alpha-Thujene	Monoterpene
8	8.18	17.59%	alpha-Pinene	Monoterpene
9	8.76	4.81%	Camphene	Monoterpene
10	8.93	0.06%	Thuja-2,4(10)-diene	Monoterpene
11	9.26	0.01%	Benzaldehyde	Simple Phenolic
12	9.71	0.16%	Sabinene	Monoterpene
13	9.90	15.49%	beta-Pinene	Monoterpene
14	10.46	2.77%	Myrcene	Monoterpene
15	11.10	0.42%	alpha-Phellandrene	Monoterpene
16	11.21	5.47%	delta-3-Carene	Monoterpene
17	11.57	0.23%	alpha-Terpinene	Monoterpene
18	11.91	0.66%	para-Cymene	Monoterpene
19	12.17	25.04%	Limonene	Monoterpene
20	12.49	0.06%	(Z)-beta-Ocimene	Monoterpene
21	12.94	0.01%	(E)-beta-Ocimene	Monoterpene
22	13.41	0.23%	gamma-Terpinene	Monoterpene
23	14.63	0.87%	Terpinolene	Monoterpene
24	14.71	0.06%	Fenchone	Monoterpene Ketone
25	14.84	0.20%	para-Cymenene	Monoterpene
26	14.94	0.02%	2-Nonanone	Monoterpene Ketone
27	15.36	0.39%	Linalool	Monoterpenol
28	15.58	0.01%	Nonanal	Aliphatic Aldehyde
29	15.66	0.02%	alpha-Pinene oxide	Monoterpene Ether
30	16.13	0.16%	Fenchol	Monoterpenol
31	16.39	0.02%	cis-para-Menth-2-en-1-ol	Monoterpenol
32	16.49	0.04%	alpha-Campholene aldehyde	Monoterpene Aldehyde
33	16.78	0.02%	cis-Limonene oxide	Monoterpene Ether
34	16.96	0.03%	Nopinone	Normonoterpene Ketone
35	17.09	0.23%	trans-Pinocarveol	Monoterpenol

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Number	RT	Area %	Compound Name	Chemical Family
36	17.337	0.25%	Camphor	Monoterpenol
37	17.72	0.12%	Camphene hydrate	Monoterpenol
38	17.98	0.09%	Pinocamphone	Monoterpene Ketone
39	18.13	0.07%	Isoborneol	Monoterpenol
40	18.53	0.66%	Borneol	Monoterpenol
41	18.69	0.10%	Isopinocamphone	Monoterpene Ketone
42	18.96	0.45%	Terpinen-4-ol	Monoterpenol
43	19.19	0.07%	Cryptone	Monoterpene Ketone
44	19.29	0.08%	para-Cymen-8-ol	Monoterpenol
45	19.65	1.72%	alpha-Terpineol	Monoterpenol
46	19.80	0.10%	Methyl chavicol	Phenylpropanoid
47	20.14	0.04%	Verbenone	Monoterpene Ketone
48	20.25	0.06%	Decanal	Aliphatic Aldehyde
49	20.76	0.02%	trans-Carveol	Monoterpenol
50	21.21	0.02%	Citronellol	Monoterpenol
51	21.28	0.22%	Methyl thymol	Monoterpene Ether
52	21.73	0.01%	Cuminal	Monoterpene Aldehyde
53	21.83	0.21%	Carvone	Monoterpene Ketone
54	22.25	0.09%	Piperitone	Monoterpene Ketone
55	23.08	2.58%	(E)-Cinnamaldehyde	Phenylpropanoid
56	23.30	0.20%	Phellandral	Monoterpene Aldehyde
57	23.54	0.05%	cis-Verbenyl acetate	Monoterpene Ester
58	23.69	7.51%	Bornyl acetate	Monoterpene Ester
59	25.38	0.07%	Myrtenyl acetate	Monoterpene Ester
60	25.84	0.04%	delta-Elemene	Sesquiterpene
61	26.21	0.01%	Terpinen-4-yl acetate	Monoterpene Ester
62	26.45	0.30%	alpha-Longipinene	Sesquiterpene
63	26.62	0.24%	Eugenol	Phenylpropanoid
64	27.33	0.06%	alpha-Ylangene	Sesquiterpene
65	27.45	0.06%	Longicyclene	Sesquiterpene
66	27.61	0.06%	alpha-Copaene	Sesquiterpene
67	27.86	0.15%	Geranyl acetate	Monoterpene Ester
68	28.24	0.11%	Sativene	Sesquiterpene
69	28.74	0.05%	Sibirene	Sesquiterpene
70	28.93	1.19%	Longifolene	Sesquiterpene
71	29.40	0.72%	beta-Caryophyllene	Sesquiterpene

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72	29.86	0.02%	beta-Copaene	Sesquiterpene
73	30.08	0.04%	cis-alpha-Bergamotene	Sesquiterpene
74	30.19	0.02%	Aromadendrene	Sesquiterpene
75	30.54	0.11%	(E)-Cinnamyl acetate	Phenylpropanoid Ester
76	30.63	0.06%	Amorpha-4,11-diene	Sesquiterpene
77	30.87	0.15%	alpha-Humulene	Sesquiterpene
78	30.96	0.04%	(E)-beta-Farnesene	Sesquiterpene
79	31.16	0.03%	cis-Cadina-1(6),4-diene	Sesquiterpene
80	31.60	0.06%	trans-Cadina-1(6),4-diene	Sesquiterpene
81	31.73	0.13%	gamma-Murolene	Sesquiterpene
82	31.93	0.13%	Germacrene D	Sesquiterpene
83	32.00	0.07%	alpha-Cuprenene	Sesquiterpene
84	32.23	0.05%	beta-Selinene	Sesquiterpene
85	32.43	0.07%	epi-Cubebol	Sesquiterpenol
86	32.54	0.05%	alpha-Selinene	Sesquiterpene
87	32.71	0.31%	alpha-Murolene	Sesquiterpene
88	33.13	0.30%	beta-Bisabolene	Sesquiterpene
89	33.25	0.33%	gamma-Cadinene	Sesquiterpene
90	33.50	0.99%	beta-Cadinene	Sesquiterpene
91	34.01	0.02%	trans-Cadina-1,4-diene	Sesquiterpene
92	34.18	0.05%	alpha-Cadinene	Sesquiterpene
93	34.32	0.02%	alpha-Calacorene	Sesquiterpene
94	34.42	0.09%	trans-alpha-Bisabolene	Sesquiterpene
95	35.67	0.03%	Spathulenol	Sesquiterpenol
96	35.84	0.09%	Caryophyllene oxide	Sesquiterpene Ether
97	36.91	0.01%	Humulene epoxide II	Sesquiterpene Ether
98	37.65	0.03%	1,10-di-epi-Cubenol	Sesquiterpenol
99	38.19	0.13%	T-Cadinol	Sesquiterpenol
100	38.25	0.10%	T-Murolol	Sesquiterpenol
101	38.36	0.03%	alpha-Murolol	Sesquiterpenol
102	38.67	0.21%	alpha-Cadinol	Sesquiterpenol
103	42.63	0.02%	Benzyl benzoate	Phenolic Ester
104	50.04	0.04%	Manool oxide	Diterpene Ester
105	51.94	0.10%	Manool	Diterpenol

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