

Client



Source



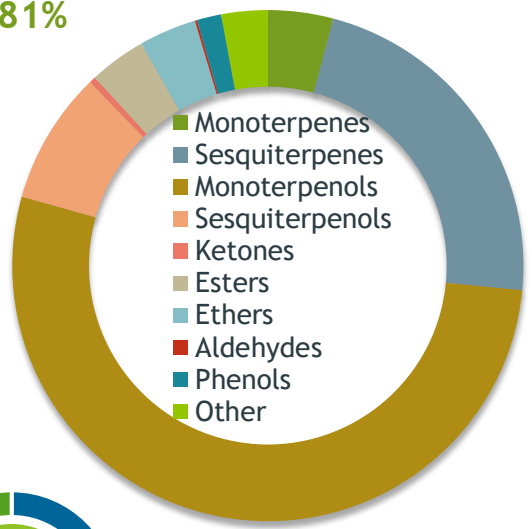
Basil, Sweet (*Ocimum basilicum*)
NP-59222

Sample

Basil, Sweet (*Ocimum basilicum*)
Batch #:..... NP-59222
Type:..... Essential Oil
CAS Number:... 8015-73-4
Nature's Gift

Monoterpenols

52.81%



Client

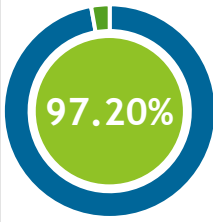


Website



Primary

46.18% | Linalool
6.32% | trans-alpha-Bergamotene
5.15% | T-Cadinol



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 Basil, Sweet (*Ocimum basilicum*)

Internal Number: | EVS-4846



Essential Validation Services

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

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

Alan Christen

Monoterpenes	4	4.13%
Sesquiterpenes	22.41%	22.41%
Monoterpenols	52.81%	52.81%
Sesquiterpenols	8.40%	8.40%
Ketones	0.41%	0.41%
Esters	3.59%	3.59%
Ethers	3.64%	3.64%
Aldehydes	0.14%	0.14%
Phenols	1.54%	1.54%
Other	2.93%	2.93%

ESSENTIAL VALIDATION SERVICES | 747 SW 2ND AVE GAINESVILLE, FLORIDA 32601 | 317-361-5044

- 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- This report may not be published without the consent of Essential Validation Services.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

Client



Source

Basil, Sweet (*Ocimum basilicum*)

NP-59222

Total Percentage		97.20%		
Number	RT	Area %	Compound Name	Chemical Family
1	7.88	0.09%	alpha-Thujene	Monoterpene
2	8.13	0.30%	alpha-Pinene	Monoterpene
3	8.73	0.10%	Camphene	Monoterpene
4	9.68	0.15%	Sabinene	Monoterpene
5	9.84	0.38%	beta-Pinene	Monoterpene
6	10.06	0.03%	1-Octen-3-ol	Aliphatic Alcohol
7	10.24	0.02%	6-Methyl-5-hepten-2-one	Aliphatic Ketone
8	10.42	0.49%	Myrcene	Monoterpene
9	10.78	0.01%	3-Octanol	Aliphatic Alcohol
10	11.07	0.07%	Pseudolimonene	Monoterpene
11	11.53	0.14%	alpha-Terpinene	Monoterpene
12	11.87	0.31%	meta-Cymene	Monoterpene
13	12.07	0.63%	Limonene	Monoterpene
14	12.17	3.50%	1,8-Cineole	Monoterpene Ether
15	12.45	0.11%	(Z)-beta-Ocimene	Monoterpene
16	12.91	0.62%	(E)-beta-Ocimene	Monoterpene
17	13.38	0.31%	gamma-Terpinene	Monoterpene
18	13.93	0.13%	trans-Sabinene hydrate	Monoterpenol
19	14.10	0.04%	1-Octanol	Aliphatic Alcohol
20	14.60	0.29%	Terpinolene	Monoterpene
21	14.68	0.05%	trans-Linalool oxide (5) (furanoid)	Monoterpenol
22	14.80	0.05%	para-Cymenene	Monoterpene
23	15.52	46.18%	Linalool	Monoterpenol
24	15.57	0.23%	Hotrienol	Monoterpenol
25	15.77	0.07%	1-Octenyl-3 acetate	Monoterpene Ester
26	15.97	0.01%	Perillene	Monoterpene Ether
27	16.31	0.01%	Octan-3-yl acetate	Aliphatic Ester
28	16.64	0.04%	Alloocimene	Monoterpene
29	17.15	0.05%	(Z)-Epoxy-ocimene	Monoterpene
30	17.32	0.34%	Camphor	Monoterpene Ketone
31	17.69	0.01%	Nerol oxide	Monoterpene Ether
32	17.80	0.03%	Menthone	Monoterpene Ketone
33	18.50	0.25%	Borneol	Monoterpenol
34	18.84	0.40%	Menthol	Monoterpenol
35	18.93	1.32%	Terpinen-4-ol	Monoterpenol

Client



Source

Basil, Sweet (*Ocimum basilicum*)

NP-59222

Number	RT	Area %	Compound Name	Chemical Family
36	19.264	0.01%	para-Cymen-8-ol	Monoterpenol
37	19.40	0.02%	(Z)-3-Hexenyl butyrate	Aliphatic Ester
38	19.62	0.92%	alpha-Terpineol	Monoterpenol
39	19.76	0.40%	Methyl chavicol	Phenylpropanoid
40	20.47	0.10%	Octyl acetate	Aliphatic Ester
41	21.02	0.21%	Nerol	Monoterpenol
42	21.61	0.03%	Citral	Monoterpene Aldehyde
43	21.80	0.02%	Carvone	Monoterpene Ketone
44	22.25	3.11%	Geraniol	Monoterpenol
45	22.96	0.07%	Geranial	Monoterpene Aldehyde
46	23.64	1.93%	Bornyl acetate	Monoterpene Ester
47	23.94	0.02%	Menthyl acetate	Monoterpene Ester
48	25.34	0.03%	Methyl geranate	Monoterpene Ester
49	25.73	0.11%	delta-Elemene	Sesquiterpene
50	26.39	0.08%	alpha-Cubebene	Sesquiterpene
51	26.59	1.08%	Eugenol	Phenylpropanoid
52	26.99	0.03%	Neryl acetate	Monoterpene Ester
53	27.57	0.24%	alpha-Copaene	Sesquiterpene
54	27.84	1.38%	Geranyl acetate	Monoterpene Ester
55	28.01	0.02%	beta-Bourbonene	Sesquiterpene
56	28.21	2.46%	beta-Elemene	Sesquiterpene
57	28.72	0.06%	Methyl eugenol	Phenylpropanoid
58	28.88	0.01%	alpha-Gurjunene	Sesquiterpene
59	29.21	0.12%	cis-alpha-Bergamotene	Sesquiterpene
60	29.36	0.55%	beta-Caryophyllene	Sesquiterpene
61	29.51	0.08%	beta-Cedrene	Sesquiterpene
62	29.61	0.06%	alpha-Cedrene	Sesquiterpene
63	29.69	0.04%	Longifolene	Sesquiterpene
64	29.81	0.43%	beta-Gurjunene	Sesquiterpene
65	30.06	6.32%	trans-alpha-Bergamotene	Sesquiterpene
66	30.35	0.11%	(Z)-beta-Farnesene	Sesquiterpene
67	30.48	0.32%	cis-Muurola-3,5-diene	Sesquiterpene
68	30.60	0.03%	trans-Muurola-3,5-diene	Sesquiterpene
69	30.84	0.89%	alpha-Humulene	Sesquiterpene
70	30.93	0.23%	(E)-beta-Farnesene	Sesquiterpene
71	31.31	0.11%	beta-Acoradiene	Sesquiterpene

Client



Source

Basil, Sweet (*Ocimum basilicum*)

NP-59222

72	31.64	0.08%	gamma-Selinene	Sesquiterpene
73	31.71	0.20%	gamma-Murolene	Sesquiterpene
74	31.91	2.41%	Germacrene D	Sesquiterpene
75	32.20	0.23%	beta-Selinene	Sesquiterpene
76	32.33	0.18%	Viridiflorene	Sesquiterpene
77	32.50	0.48%	Bicyclgermacrene	Sesquiterpene
78	32.59	0.25%	trans-Cadina-1(6),4-diene	Sesquiterpene
79	32.68	0.14%	alpha-Murolene	Sesquiterpene
80	32.79	1.12%	beta-Chamigrene	Sesquiterpene
81	32.94	0.02%	Pentadecane	Alkane
82	33.10	0.16%	beta-Bisabolene	Sesquiterpene
83	33.23	3.66%	gamma-Cadinene	Sesquiterpene
84	33.47	0.85%	delta-Cadinene	Sesquiterpene
85	33.70	0.26%	beta-Sesquiphellandrene	Sesquiterpene
86	33.89	0.06%	Cubebol	Sesquiterpenol
87	33.99	0.03%	trans-Cadina-1,4-diene	Sesquiterpene
88	34.15	0.13%	alpha-Cadinene	Sesquiterpene
89	34.29	0.01%	gamma-Calacorene	Sesquiterpene
90	34.38	0.01%	trans-alpha-Bisabolene	Sesquiterpene
91	34.61	0.02%	Elemol	Sesquiterpenol
92	35.20	0.70%	(E)-Nerolidol	Sesquiterpenol
93	35.34	0.33%	Maaliol	Sesquiterpenol
94	35.64	0.16%	Spathulenol	Sesquiterpenol
95	36.87	0.12%	Caryophyllene oxide	Sesquiterpene Ether
96	37.15	0.94%	1,10-di-epi-Cubenol	Sesquiterpenol
97	37.34	0.03%	Junenol	Sesquiterpenol
98	37.80	0.08%	Isospathulenol	Sesquiterpenol
99	38.18	5.15%	T-Cadinol	Sesquiterpenol
100	38.33	0.10%	1-epi-Cubenol	Sesquiterpenol
101	38.57	0.13%	beta-Eudesmol	Sesquiterpenol
102	38.64	0.55%	alpha-Cadinol	Sesquiterpenol
103	39.89	0.09%	alpha-Bisabolol	Sesquiterpenol
104	41.00	0.04%	Pentadecanal	Sesquiterpene Aldehyde
105	41.94	0.06%	alpha-Bisabolol oxide A	Sesquiterpenol
106	44.06	0.02%	Octadecane	Alkane
107	53.68	0.01%	Heneicosane	Alkane
108	58.41	0.01%	Tricosane	Alkane