



Basil, Sweet (Ocimum basilicum)

### Sample:



Client: | Nature's Gift  
 Sample: | Basil, Sweet  
 Latin Name: | Ocimum basilicum  
 Batch #: | NP-58808  
 CAS Number: | 8015-73-4  
 Type: | Essential Oil

### Laboratory:



Essential Validation Services  
<https://essentialvalidationservices.com/>  
[adam@essentialvalidationservices.com](mailto:adam@essentialvalidationservices.com)  
 747 SW 2nd Ave, Suite 306 IMB 12  
 Gainesville, FL 32601  
 317-361-5044

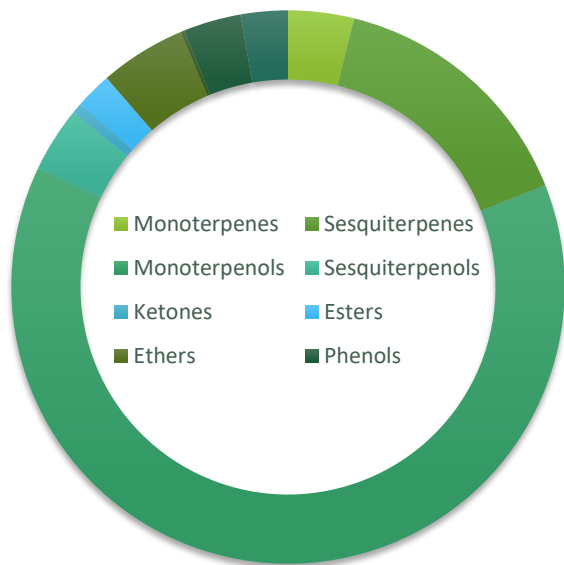
### Top 5 Compounds:

Compounds	%
Linalool	54.75%
1,8-Cineole	5.02%
trans-alpha-Bergamotene	4.35%
Geraniol	3.61%
Germacrene D	3.31%

### 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).



### Chemical Families

Monoterpenes	Sesquiterpenes
3.85%	15.16%
Monoterpenols	Sesquiterpenols
63.07%	3.81%
Ketones	Esters
0.60%	2.14%
Ethers	Aldehydes
5.02%	0.23%
Phenols	Other
3.37%	2.75%

X

*Adam Christensen*

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CEO



Basil, Sweet (*Ocimum basilicum*)

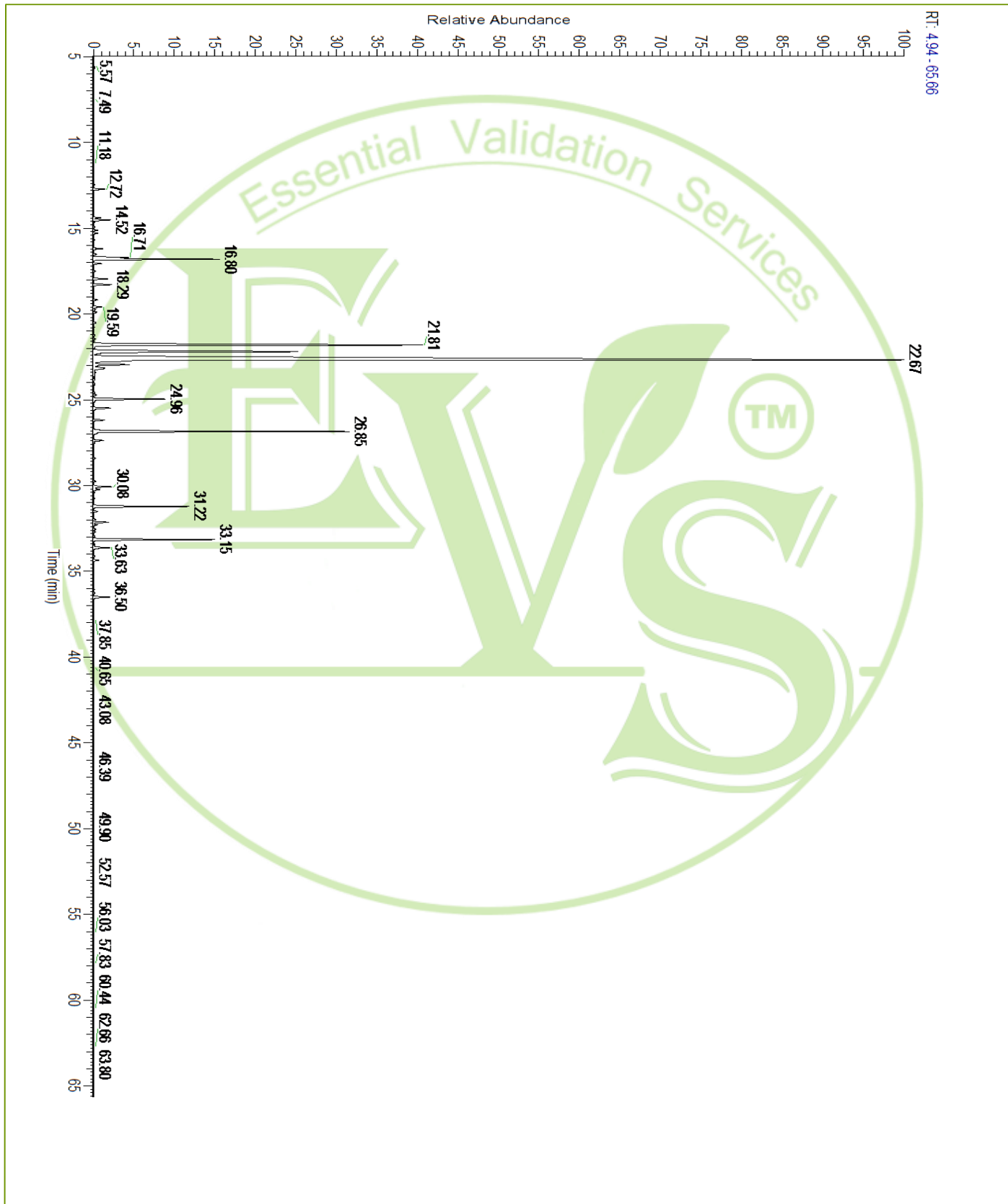
Total Percentage		97.25%			
Number	RT	Area %	Compound Name	RI	Chemical Family
1	12.47	0.09%	alpha-Thujene	927.80	Monoterpene
2	12.74	0.41%	alpha-Pinene	936.10	Monoterpene
3	13.36	0.09%	Camphene	950.30	Monoterpene
4	14.41	0.20%	Sabinene	973.00	Monoterpene
5	14.54	0.44%	beta-Pinene	974.00	Monoterpene
6	15.14	0.43%	Myrcene	989.20	Monoterpene
7	15.70	0.02%	alpha-Phellandrene	1002.00	Monoterpene
8	16.21	0.10%	alpha-Terpinene	1014.00	Monoterpene
9	16.54	0.22%	para-Cymene	1024.30	Monoterpene
10	16.73	0.50%	Limonene	1029.50	Monoterpene
11	16.83	5.02%	1,8-Cineole	1031.80	Monoterpene Ether
12	17.09	0.04%	(Z)-beta-Ocimene	1037.80	Monoterpene
13	17.52	0.80%	(E)-beta-Ocimene	1047.70	Monoterpene
14	17.98	0.28%	gamma-Terpinene	1054.00	Monoterpene
15	18.53	0.03%	cis-Linalool oxide (5) (furanoid)	1075.10	Monoterpenol
16	19.19	0.23%	Terpinolene	1092.10	Monoterpene
17	19.79	54.75%	Linalool	1099.00	Monoterpenol
18	21.44	0.35%	Camphor	1147.55	Monoterpene Ketone
19	21.78	0.16%	Menthone	1155.00	Monoterpene Ketone
20	22.19	0.09%	Isomenthone	1164.33	Monoterpene Ketone
21	22.50	2.13%	Menthol	1177.40	Monoterpenol
22	22.69	2.12%	Terpinen-4-ol	1180.57	Monoterpenol
23	23.18	0.43%	alpha-Terpineol	1191.71	Monoterpenol
24	23.44	0.29%	Methyl chavicol	1193.40	Phenylpropanoid
25	23.83	0.06%	Octyl acetate	1211.00	Aliphatic Ester
26	25.41	3.61%	Geraniol	1255.29	Monoterpenol
27	25.99	0.23%	Geranial	1272.00	Monoterpene Aldehyde
28	26.60	1.10%	Bornyl acetate	1288.29	Monoterpene Ester
29	26.83	0.08%	Menthyl acetate	1297.00	Monoterpene Ester
30	28.41	0.08%	delta-Elemene	1335.83	Sesquiterpene
31	28.82	0.02%	alpha-Cubebene	1355.71	Sesquiterpene
32	29.02	3.05%	Eugenol	1365.89	Phenylpropanoid
33	29.75	0.90%	Geranyl acetate	1379.20	Monoterpene Ester
34	30.08	0.12%	beta-Bourbonene	1388.70	Sesquiterpene
35	30.24	1.64%	beta-Elemene	1389.20	Sesquiterpene
36	30.38	0.06%	beta-Cubebene	1390.50	Sesquiterpene
37	30.50	0.03%	Methyl Eugenol	1407.27	Phenylpropanoid
38	31.01	0.02%	cis-alpha-Bergamotene	1411.50	Sesquiterpene
39	31.22	0.45%	beta-Caryophyllene	1427.14	Sesquiterpene
40	31.61	4.35%	trans-alpha-Bergamotene	1435.00	Sesquiterpene

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