

Holy Basil *Ocimum sanctum*

Batch No. IN-59281
 India

Monoterpenes	0.48%
α pinene	0.13
α phellandrene	0.09
γ terpinene	0.09
para-cymene	0.07
limonene	0.05
sabinene	0.03
myrcene	0.01
β pinene	0.01

Monoterpenols	2.53%
geraniol	1.23
citronellol	0.97
isoborneol	0.25
linalool	0.05
(Z) linalool oxide (5)(furanoid)	0.02
(E) linalool oxide (5)(furanoid)	0.01

Ketones	0%
6-methyl-5-hepten-2-one	0.01
menthone	0.01

Other	0%
3-octanol	0.02

Aldehydes	0.03%
geranial	0.02
decanal	0.01

Ethers	1.93%
caryophyllene oxide	1.07
1,8-cineole	0.75
humulene epoxide II	0.11

Phenols	53.62%
eugenol	53.38
methyl chavicol	0.16
chavicol	0.05
eugenol <dihydro>	0.03

Sequiterpenols	0.24%
elemol	0.19
pogostol	0.05

Sesquiterpenes	39.94%
β caryophyllene	31.93
α humulene	5.8
α copaene	0.56
δ cadinene	0.44
α cubebene	0.17
(E)(E)-α-farnesene	0.16
(E) calamenene	0.13
(E) cadina-1(6), 4-diene	0.09
allo-aromadendrene	0.08
(Z) caryophyllene	0.08
α selinene	0.08
isocaryophyllene	0.06
(E) α bergamotene	0.05
γ muurolene	0.05
β selinene	0.05
α muurolene	0.05
γ cadinene	0.03
β elemene	0.03
α amorphene	0.03
(E) cadina-1,4-diene	0.03
β copaene	0.02
β bourbonene	0.01
(E) α bisabolene	0.01

Client



Source



Holy Basil (*Ocimum sanctum*)
IN-59281

Sample

Holy Basil (*Ocimum sanctum*)
Batch #:..... | IN-59281
Type:..... | Essential Oil
CAS Number:... | 91845-35-1
Nature's Gift

Client



Website

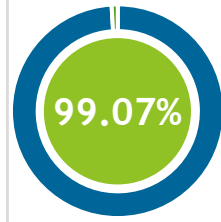
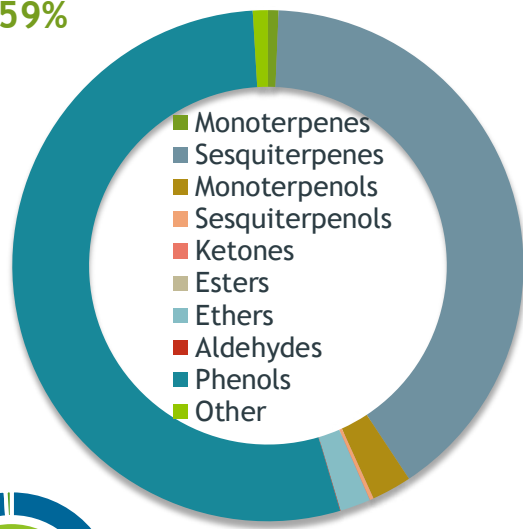


Primary

53.38% | Eugenol
31.93% | beta-Caryophyllene
5.80% | alpha-Humulene

Phenols

53.59%



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 Holy Basil (*Ocimum sanctum*)

Internal Number: | EVS-5320



Essential Validation Services

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

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

Alan Christen

Monoterpenes	0.67%
Sesquiterpenes	40.01%
Monoterpenols	2.53%
Sesquiterpenols	0.24%
Ketones	0.02%
Esters	0.00%
Ethers	1.93%
Aldehydes	0.03%
Phenols	53.59%
Other	0.95%

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Client



Source

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Total Percentage		99.07%		
Number	RT	Area %	Compound Name	Chemical Family
1	7.96	0.13%	alpha-Pinene	Monoterpene
2	9.50	0.03%	Sabinene	Monoterpene
3	9.66	0.10%	beta-Pinene	Monoterpene
4	10.07	0.01%	6-Methyl-5-hepten-2-one	Aliphatic Ketone
5	10.25	0.01%	Myrcene	Monoterpene
6	10.60	0.02%	3-Octanol	Aliphatic Alcohol
7	10.88	0.09%	alpha-Phellandrene	Monoterpene
8	11.68	0.07%	para-Cymene	Monoterpene
9	11.88	0.15%	Limonene	Monoterpene
10	11.97	0.75%	1,8-Cineole	Monoterpene Ether
11	13.19	0.09%	gamma-Terpinene	Monoterpene
12	13.75	0.02%	cis-Linalool oxide (5) (furanoid)	Monoterpenol
13	14.47	0.01%	trans-Linalool oxide (5) (furanoid)	Monoterpenol
14	15.14	0.05%	Linalool	Monoterpenol
15	17.59	0.01%	Menthone	Monoterpene Ketone
16	17.90	0.25%	Isoborneol	Monoterpenol
17	19.57	0.16%	Methyl chavicol	Phenylpropanoid
18	20.50	0.01%	Decanal	Aliphatic Aldehyde
19	20.99	0.97%	Citronellol	Monoterpenol
20	22.05	1.23%	Geraniol	Monoterpenol
21	22.21	0.05%	Chavicol	Phenylpropanoid
22	22.78	0.02%	Geranial	Monoterpene Aldehyde
23	26.17	0.17%	alpha-Cubebene	Sesquiterpene
24	26.68	53.38%	Eugenol	Phenylpropanoid
25	26.91	0.03%	23.15 Eugenol <dihydro->	0.00
26	27.39	0.56%	alpha-Copaene	Sesquiterpene
27	27.70	0.01%	beta-Bourbonene	Sesquiterpene
28	28.01	0.03%	beta-Elemene	Sesquiterpene
29	28.57	0.08%	cis-Caryophyllene	Sesquiterpene
30	29.28	31.93%	beta-Caryophyllene	Sesquiterpene
31	29.53	0.06%	Isocaryophyllene	Sesquiterpene
32	29.61	0.02%	beta-Copaene	Sesquiterpene
33	29.84	0.05%	trans-alpha-Bergamotene	Sesquiterpene
34	30.43	0.08%	allo-Aromadendrene	Sesquiterpene
35	30.66	5.80%	alpha-Humulene	Sesquiterpene



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Source



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Number	RT	Area %	Compound Name	Chemical Family
36	31.367	0.09%	trans-Cadina-1(6),4-diene	Sesquiterpene
37	31.50	0.04%	gamma-Murolene	Sesquiterpene
38	31.66	0.03%	alpha-Amorphene	Sesquiterpene
39	31.99	0.05%	beta-Selinene	Sesquiterpene
40	32.30	0.08%	alpha-Selinene	Sesquiterpene
41	32.47	0.05%	alpha-Murolene	Sesquiterpene
42	32.82	0.16%	(E,E)-alpha-Farnesene	Sesquiterpene
43	33.01	0.03%	gamma-Cadinene	Sesquiterpene
44	33.26	0.44%	delta-Cadinene	Sesquiterpene
45	33.35	0.13%	trans-Calamenene	Sesquiterpene
46	33.41	0.08%	delta-Guaiene	Sesquiterpene
47	33.77	0.03%	trans-Cadina-1,4-diene	Sesquiterpene
48	34.19	0.01%	trans-alpha-Bisabolene	Sesquiterpene
49	34.40	0.19%	Elemol	Sesquiterpenol
50	35.61	1.07%	Caryophyllene oxide	Sesquiterpene Ether
51	36.67	0.11%	Humulene epoxide II	Sesquiterpene Ether
52	38.45	0.05%	Pogostol	Sesquiterpenol

ESSENTIAL VALIDATION SERVICES | 74 SW 2ND AVE GAINESVILLE, FLORIDA 32601 | 352-301-3044

- 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