Client

Nature's Gift

Source



Holy Basil (Ocimum sanctum)

IN-59461 - India

Sample

Holy Basil (Ocimum sanctum)

Identification #:	IN-59461
Type:.....	Essential Oil
CAS Number:...	91845-35-1

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Properties

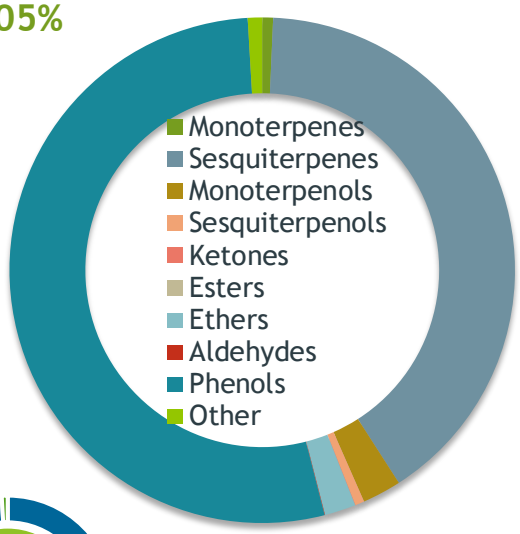
Country Of Origin	India
Specific Gravity	NT
Refractive Index	NT

Primary

52.84%	Eugenol
32.17%	beta-Caryophyllene
5.53%	alpha-Humulene

Phenols

53.05%





Percentage Identified

Result

APPROVED

6/19/2025

Conclusion

No adulterants, diluents, or contaminates were detected via this method. This oil meets the expected profile for genuine Essential Oil of Holy Basil (Ocimum sanctum)

Internal Number: | EVS-6777

Essential Validation Services

240 Goose Hollow Road
Berthoud, CO 80513
317.361.5044 |
https://essentialvalidationservices.com/

Monoterpenes	0.69%
Sesquiterpenes	40.22% 40.22
Monoterpenols	2.49%
Sesquiterpenols	0.59%
Ketones	0.02%
Esters	0.00%
Ethers	1.99%
Aldehydes	0.03%
Phenols	53.05% 53.05
Other	0.92%

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Total Percentage		99.10%		
Number	**RT**	**Area %**	**Compound Name**	**Chemical Family**
1	8.16	0.15%	alpha-Pinene	Monoterpene
2	9.87	0.09%	beta-Pinene	Monoterpene
3	10.28	0.01%	6-Methyl-5-hepten-2-one	Aliphatic Ketone
4	10.46	0.01%	Myrcene	Monoterpene
5	10.81	0.02%	3-Octanol	Aliphatic Alcohol
6	11.10	0.08%	alpha-Phellandrene	Monoterpene
7	11.90	0.17%	para-Cymene	Monoterpene
8	12.10	0.16%	Limonene	Monoterpene
9	12.19	0.81%	1,8-Cineole	Monoterpene Ether
10	13.41	0.03%	gamma-Terpinene	Monoterpene
11	13.97	0.02%	cis-Linalool oxide (5) (furanoid)	Monoterpenol
12	15.36	0.04%	Linalool	Monoterpenol
13	17.83	0.01%	Isomenthone	Monoterpene Ketone
14	18.13	0.29%	Isoborneol	Monoterpenol
15	19.80	0.19%	Methyl chavicol	Phenylpropanoid
16	20.72	0.03%	Decanal	Aliphatic Aldehyde
17	21.20	0.94%	Citronellol	Monoterpenol
18	22.25	1.09%	Geraniol	Monoterpenol
19	22.47	0.02%	Chavicol	Phenylpropanoid
20	26.36	0.10%	alpha-Cubebene	Sesquiterpene
21	26.83	52.84%	Eugenol	Phenylpropanoid
22	27.57	0.76%	alpha-Copaene	Sesquiterpene
23	27.87	0.02%	beta-Bourbonene	Sesquiterpene
24	28.18	0.04%	beta-Elemene	Sesquiterpene
25	28.75	0.11%	cis-Caryophyllene	Sesquiterpene
26	29.44	32.17%	beta-Caryophyllene	Sesquiterpene
27	29.71	0.09%	Isocaryophyllene	Sesquiterpene
28	29.81	0.02%	beta-Copaene	Sesquiterpene
29	30.01	0.06%	trans-alpha-Bergamotene	Sesquiterpene
30	30.60	0.13%	Aromadendrene	Sesquiterpene
31	30.83	5.53%	alpha-Humulene	Sesquiterpene
32	31.00	0.05%	allo-Aromadendrene	Sesquiterpene
33	31.54	0.09%	trans-Cadina-1(6),4-diene	Sesquiterpene
34	31.68	0.04%	gamma-Muurolene	Sesquiterpene
35	32.17	0.05%	beta-Selinene	Sesquiterpene

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Number	RT	Area %	Compound Name	Chemical Family
36	32.474	0.07%	alpha-Selinene	Sesquiterpene
37	32.64	0.05%	alpha-Muurolene	Sesquiterpene
38	32.98	0.10%	(E,E)-alpha-Farnesene	Sesquiterpene
39	33.18	0.02%	gamma-Cadinene	Sesquiterpene
40	33.43	0.46%	delta-Cadinene	Sesquiterpene
41	33.52	0.23%	trans-Calamenene	Sesquiterpene
42	33.95	0.02%	trans-Cadina-1,4-diene	Sesquiterpene
43	34.35	0.01%	trans-alpha-Bisabolene	Sesquiterpene
44	34.58	0.21%	Elemol	Sesquiterpenol
45	35.54	0.11%	Caryophyllenyl alcohol	Monoterpenol
46	35.78	1.05%	Caryophyllene oxide	Sesquiterpene Ether
47	36.84	0.13%	Humulene epoxide II	Sesquiterpene Ether
48	37.26	0.07%	Widdrol	Sesquiterpenol
49	37.58	0.03%	1,10-di-epi-Cubenol	Sesquiterpenol
50	38.62	0.23%	Allohimachalol	Sesquiterpenol
51	39.01	0.05%	Patchouli alcohol	Sesquiterpenol

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