

Client



Source



Organic Frankincense (*Boswellia carterii*)
BCE000107-031320

Sample

Organic Frankincense (*Boswellia carterii*)

Batch #:..... BCE000107-031320

Type:..... Essential Oil

CAS Number:... 8016-36-2

Natural Sourcing LLC

Client



Website



Primary

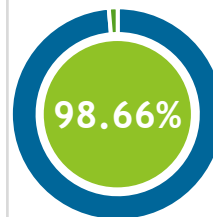
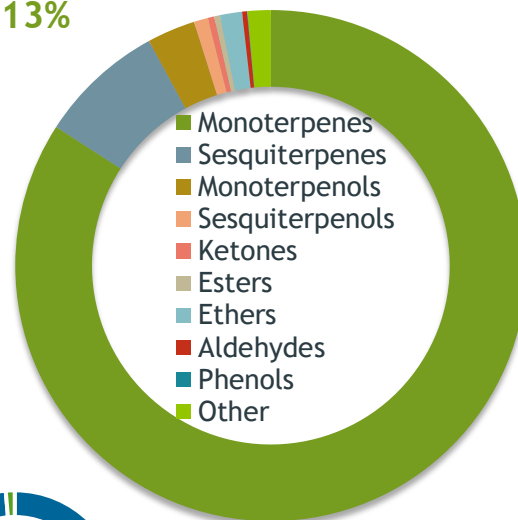
40.67% | alpha-Pinene

12.11 | Myrcene

11.63% | Limonene

Monoterpenes

84.13%



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 Organic Frankincense (*Boswellia carterii*)
Internal Number: | EVS-4168



Essential Validation Services

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

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

Alan Chastain

Monoterpenes	84.13%	84.13%
Sesquiterpenes	7	7.96%
Monoterpenols		3.05%
Sesquiterpenols		0.89%
Ketones		0.41%
Esters		0.36%
Ethers		1.40%
Aldehydes		0.31%
Phenols		0.03%
Other		1.46%

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Cosmetic and Personal Care Ingredient Specialists
PROUDLY SERVING YOU FOR OVER 30 YEARS

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Total Percentage		98.66%		
Number	RT	Area %	Compound Name	Chemical Family
1	7.76	0.98%	Hashishene	Monoterpene
2	7.84	0.04%	Tricyclene	Monoterpene
3	8.02	1.11%	alpha-Thujene	Monoterpene
4	8.32	40.67%	alpha-Pinene	Monoterpene
5	8.87	0.72%	Camphene	Monoterpene
6	9.04	0.47%	Thuja-2,4(10)-diene	Monoterpene
7	9.83	5.82%	Sabinene	Monoterpene
8	9.99	2.12%	beta-Pinene	Monoterpene
9	10.38	0.02%	6-Methyl-5-hepten-2-one	Aliphatic Ketone
10	10.59	12.11%	Myrcene	Monoterpene
11	11.22	2.56%	alpha-Phellandrene	Monoterpene
12	11.32	0.40%	delta-3-Carene	Monoterpene
13	11.69	0.15%	alpha-Terpinene	Monoterpene
14	12.03	2.89%	para-Cymene	Monoterpene
15	12.26	11.63%	Limonene	Monoterpene
16	12.34	0.78%	1,8-Cineole	Monoterpene Ether
17	12.61	1.27%	(Z)-beta-Ocimene	Monoterpene
18	13.07	0.36%	(E)-beta-Ocimene	Monoterpene
19	13.54	0.28%	gamma-Terpinene	Monoterpene
20	14.07	0.02%	trans-Sabinene hydrate	Monoterpenol
21	14.76	0.17%	Isoterpinolene	Monoterpene
22	14.97	0.10%	para-Cymenene	Monoterpene
23	15.08	0.04%	2-Nonanone	Monoterpene Ketone
24	15.32	0.04%	alpha-Pinene oxide	Monoterpene Ether
25	15.41	0.11%	Perillene	Monoterpene Ether
26	15.50	0.29%	Linalool	Monoterpenol
27	15.64	0.03%	2-Nonanol	Monoterpenol
28	15.81	0.06%	Isoamyl isovalerate	Aliphatic Ester
29	16.22	0.01%	alpha-Thujone	Monoterpene Ketone
30	16.45	0.12%	Myrcenol	Monoterpenol
31	16.63	0.31%	alpha-Campholene aldehyde	Monoterpene Aldehyde
32	16.79	0.23%	Alloocimene	Monoterpene
33	17.12	0.03%	trans-Limonene oxide	Monoterpene Ether
34	17.24	0.43%	trans-Pinocarveol	Monoterpenol
35	17.51	0.65%	trans-Verbenol	Monoterpenol

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

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Number	RT	Area %	Compound Name	Chemical Family
36	18.139	0.05%	Pinocamphone	Monoterpenol
37	18.72	0.21%	para-Mentha-1,5-dien-8-ol	Monoterpenol
38	19.11	0.47%	Terpinen-4-ol	Monoterpenol
39	19.28	0.03%	para-Methylacetophenone	Simple Phenolic
40	19.44	0.13%	para-Cymen-8-ol	Monoterpenol
41	19.80	0.56%	alpha-Terpineol	Monoterpenol
42	20.15	0.05%	trans-para-Mentha-1(7),8-dien-2-ol	Monoterpenol
43	20.28	0.24%	Verbenone	Monoterpene Ketone
44	20.91	0.09%	trans-Carveol	Monoterpenol
45	21.98	0.05%	Carvone	Monoterpene Ketone
46	23.82	0.30%	Bornyl acetate	Monoterpene Ester
47	26.07	0.02%	delta-Elemene	Sesquiterpene
48	26.58	0.19%	alpha-Cubebene	Sesquiterpene
49	27.42	0.04%	Isoledene	Sesquiterpene
50	27.77	0.83%	alpha-Copaene	Sesquiterpene
51	28.09	0.25%	beta-Bourbonene	Sesquiterpene
52	28.31	0.07%	beta-Cubebene	Sesquiterpene
53	28.39	0.44%	beta-Elemene	Sesquiterpene
54	28.96	0.03%	cis-Caryophyllene	Sesquiterpene
55	29.09	0.11%	alpha-Gurjunene	Sesquiterpene
56	29.58	3.17%	beta-Caryophyllene	Sesquiterpene
57	30.01	0.06%	beta-Copaene	Sesquiterpene
58	30.24	0.08%	trans-alpha-Bergamotene	Sesquiterpene
59	30.81	0.06%	6,9-Guaiadiene	Sesquiterpene
60	31.04	0.65%	alpha-Humulene	Sesquiterpene
61	31.23	0.12%	9-epi-(E)-Caryophyllene	Sesquiterpene
62	31.77	0.04%	trans-Cadina-1(6),4-diene	Sesquiterpene
63	31.90	0.20%	gamma-Muurolene	Sesquiterpene
64	32.10	0.41%	Germacrene D	Sesquiterpene
65	32.40	0.18%	beta-Selinene	Sesquiterpene
66	32.52	0.05%	1-epi-Bicyclosesquiphellandrene	Monoterpene
67	32.71	0.23%	alpha-Selinene	Sesquiterpene
68	32.88	0.12%	alpha-Muurolene	Sesquiterpene
69	33.42	0.16%	gamma-Cadinene	Sesquiterpene
70	33.50	0.23%	Cubebol	Sesquiterpenol
71	33.66	0.50%	delta-Cadinene	Sesquiterpene

ESSENTIAL VALIDATION SERVICES | 74 / SW 7TH AVE GAINESVILLE, FLORIDA 32601 | 351-301-3044

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72	35.86	0.03%	Spathulenol	Sesquiterpenol
73	36.02	0.35%	Caryophyllene oxide	Sesquiterpene Ether
74	36.52	0.51%	Viridiflorol	Sesquiterpenol
75	37.08	0.09%	Humulene epoxide II	Sesquiterpene Ether
76	37.82	0.02%	1,10-di-epi-Cubenol	Sesquiterpenol
77	38.36	0.10%	T-Cadinol	Sesquiterpenol
78	49.04	0.12%	Cembrene A	Diterpene

ESSENTIAL VALIDATION SERVICES | 14 SW 2nd AVE GAINESVILLE, FLORIDA 32601 | 351-361-5044

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