

Client



Source



Organic Frankincense (*Boswellia carterii*)  
BCE000107-021921

Sample

Organic Frankincense (*Boswellia carterii*)

Batch #:..... BCE000107-021921

Type:..... Essential Oil

CAS Number:... 8016-36-2

Natural Sourcing LLC

Client



Website



Primary

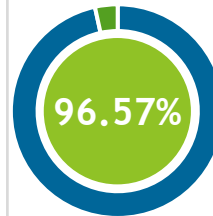
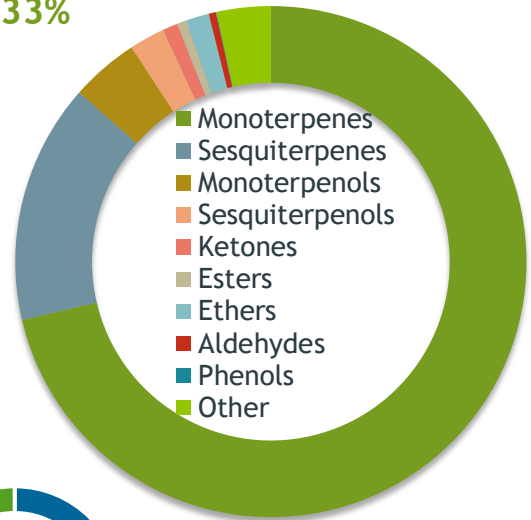
27.42% alpha-Pinene

12.91% Limonene

10.12% Myrcene

Monoterpenes

71.33%



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-4594



Essential Validation Services

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

317.361.5044 |

<https://essentialvalidationservices.com/>

*Alan Christen*

Monoterpenes	71.33%	71.33%
Sesquiterpenes	15.18%	15.18%
Monoterpenols	4.32%	4.32%
Sesquiterpenols	2.24%	2.24%
Ketones	0.96%	0.96%
Esters	0.58%	0.58%
Ethers	1.48%	1.48%
Aldehydes	0.45%	0.45%
Phenols	0.04%	0.04%
Other	3.42%	3.42%

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

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Total Percentage		96.57%		
Number	RT	Area %	Compound Name	Chemical Family
1	6.34	0.02%	Santene	Normonoterpene
2	7.67	0.95%	Hashishene	Monoterpene
3	7.75	0.06%	Tricyclene	Monoterpene
4	7.92	1.51%	alpha-Thujene	Monoterpene
5	8.22	27.42%	alpha-Pinene	Monoterpene
6	8.77	0.83%	Camphene	Monoterpene
7	8.93	0.51%	Thuja-2,4(10)-diene	Monoterpene
8	9.72	6.26%	Sabinene	Monoterpene
9	9.88	1.79%	beta-Pinene	Monoterpene
10	10.27	0.02%	6-Methyl-5-hepten-2-one	Aliphatic Ketone
11	10.49	10.12%	Myrcene	Monoterpene
12	11.11	2.55%	alpha-Phellandrene	Monoterpene
13	11.20	0.25%	delta-3-Carene	Monoterpene
14	11.58	0.20%	alpha-Terpinene	Monoterpene
15	11.92	4.18%	para-Cymene	Monoterpene
16	12.15	12.91%	Limonene	Monoterpene
17	12.23	0.08%	1,8-Cineole	Monoterpene Ether
18	12.49	0.69%	(Z)-beta-Ocimene	Monoterpene
19	12.95	0.22%	(E)-beta-Ocimene	Monoterpene
20	13.42	0.34%	gamma-Terpinene	Monoterpene
21	13.94	0.04%	trans-Sabinene hydrate	Monoterpenol
22	14.64	0.20%	Isoterpinolene	Monoterpene
23	14.85	0.14%	para-Cymenene	Monoterpene
24	14.95	0.05%	6,7-Epoxymyrcene	Monoterpene Ether
25	15.19	0.05%	alpha-Pinene oxide	Monoterpene Ether
26	15.28	0.16%	Perillene	Monoterpene Ether
27	15.37	0.30%	Linalool	Monoterpenol
28	15.51	0.03%	2-Nonanol	Monoterpenol
29	15.68	0.09%	Isoamyl isovalerate	Aliphatic Ester
30	16.09	0.05%	alpha-Thujone	Monoterpene Ketone
31	16.32	0.14%	Myrcenol	Monoterpenol
32	16.40	0.03%	cis-para-Menth-2-en-1-ol	Monoterpenol
33	16.50	0.34%	alpha-Campholene aldehyde	Monoterpene Aldehyde
34	16.67	0.20%	Alloocimene	Monoterpene
35	16.79	0.01%	cis-Limonene oxide	Monoterpene Ether

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Essential Validation Services

9/14/2021

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Number	RT	Area %	Compound Name	Chemical Family
36	16.977	0.06%	trans-para-Mentha-2,8-dien-1-ol	Monoterpene Ether
37	17.10	0.55%	trans-Pinocarveol	Monoterpenol
38	17.37	0.90%	trans-Verbenol	Monoterpenol
39	17.99	0.09%	Pinocamphone	Monoterpene Ketone
40	18.26	0.03%	exo-Isocitral	Monoterpene Aldehyde
41	18.48	0.03%	Camphor	Monoterpene Ketone
42	18.58	0.29%	para-Mentha-1,5-dien-8-ol	Monoterpenol
43	18.97	0.60%	Terpinen-4-ol	Monoterpenol
44	19.15	0.04%	para-Methylacetophenone	Simple Phenolic
45	19.21	0.02%	Cryptone	Monoterpene Ketone
46	19.30	0.21%	para-Cymen-8-ol	Monoterpenol
47	19.67	0.70%	alpha-Terpineol	Monoterpenol
48	19.89	0.06%	cis-Piperitol	Monoterpenol
49	20.01	0.11%	cis-Pinocarveol	Monoterpenol
50	20.14	0.41%	Verbenone	Monoterpene Ketone
51	20.31	0.03%	trans-Piperitol	Monoterpenol
52	20.77	0.20%	trans-Carveol	Monoterpenol
53	21.24	0.02%	cis-para-Mentha-1(7),8-dien-2-ol	Monoterpenol
54	21.36	0.05%	cis-Carveol	Monoterpenol
55	21.75	0.04%	Cuminal	Monoterpene Aldehyde
56	21.84	0.30%	Carvone	Monoterpene Ketone
57	22.07	0.04%	Pulegone	Monoterpene Ketone
58	22.26	0.05%	Linalyl acetate	Monoterpene Ester
59	23.23	0.01%	Perilla aldehyde	Monoterpene Aldehyde
60	23.31	0.03%	Phellandral	Monoterpene Aldehyde
61	23.68	0.41%	Bornyl acetate	Monoterpene Ester
62	25.77	0.03%	delta-Elemene	Sesquiterpene
63	26.44	0.38%	alpha-Cubebene	Sesquiterpene
64	27.27	0.12%	Cyclosativene	Sesquiterpene
65	27.35	0.03%	alpha-Ylangene	Sesquiterpene
66	27.63	1.49%	alpha-Copaene	Sesquiterpene
67	27.94	0.50%	beta-Bourbonene	Sesquiterpene
68	28.17	0.13%	beta-Cubebene	Sesquiterpene
69	28.25	0.83%	beta-Elemene	Sesquiterpene
70	28.82	0.06%	Isocaryophyllene	Sesquiterpene
71	28.94	0.25%	alpha-Gurjunene	Sesquiterpene

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72	29.44	5.06%	beta-Caryophyllene	Sesquiterpene
73	29.57	0.01%	Longifolene	Sesquiterpene
74	29.87	0.12%	beta-Gurjunene	Sesquiterpene
75	30.09	0.15%	cis-alpha-Bergamotene	Sesquiterpene
76	30.38	0.13%	6,9-Guaiadiene	Sesquiterpene
77	30.45	0.04%	beta-Copaene	Sesquiterpene
78	30.66	0.15%	Aromadendrene	Sesquiterpene
79	30.89	1.20%	alpha-Humulene	Sesquiterpene
80	31.08	0.32%	allo-Aromadendrene	Sesquiterpene
81	31.42	0.01%	Dauca-5,8-diene	Sesquiterpene
82	31.63	0.09%	trans-Cadina-1(6),4-diene	Sesquiterpene
83	31.76	0.44%	gamma-Murolene	Sesquiterpene
84	31.95	0.65%	Germacrene D	Sesquiterpene
85	32.25	0.38%	beta-Selinene	Sesquiterpene
86	32.37	0.15%	cis-Muurolo-4(14),5-diene	Sesquiterpene
87	32.56	0.52%	alpha-Selinene	Sesquiterpene
88	32.73	0.26%	alpha-Murolene	Sesquiterpene
89	32.83	0.03%	Germacrene A	Sesquiterpene
90	33.15	0.01%	beta-Bisabolene	Sesquiterpene
91	33.27	0.37%	gamma-Cadinene	Sesquiterpene
92	33.35	0.54%	Cubebol	Sesquiterpenol
93	33.52	1.17%	beta-Cadinene	Sesquiterpene
94	34.03	0.04%	trans-Cadina-1,4-diene	Sesquiterpene
95	34.20	0.03%	alpha-Cadinene	Sesquiterpene
96	34.34	0.02%	alpha-Calacorene	Sesquiterpene
97	34.67	0.05%	Elemol	Sesquiterpenol
98	35.15	0.01%	beta-Calacorene	Sesquiterpene
99	35.44	0.04%	Palustrol	Sesquiterpenol
100	35.70	0.10%	Spathulenol	Sesquiterpenol
101	35.86	0.88%	Caryophyllene oxide	Sesquiterpene Ether
102	36.16	0.06%	Gleenol	Sesquiterpenol
103	36.36	1.26%	Viridiflorol	Sesquiterpenol
104	36.74	0.02%	Ledol	Sesquiterpenol
105	36.92	0.25%	Humulene epoxide II	Sesquiterpene Ether
106	37.14	0.11%	Guaiol	Sesquiterpenol
107	37.66	0.06%	1,10-di-epi-Cubenol	Sesquiterpenol
108	38.04	0.03%	allo-Aromadendrene epoxide	Sesquiterpene Ester

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