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Balancing Body, Mind and Spirit with Pure Essential Oils

Since 1995

www.naturesgift.com

Frankincense (White)

Boswellia sacra

Batch #OM-59066

Oman

Monoterpenes 87.23%

α pinene	67.04
limonene	3.49
δ-3-carene	3.26
camphene	2.59
β pinene	2.12
sabinene	2.02
α phellandrene	1.82
para cymene	1.36
myrcene	1.07
thuja-2,4(10)-diene	0.53
(Z) β ocimene	0.48
(E) β ocimene	0.36
α thujene	0.34
hashishene	0.23
terpinolene	0.15
γ terpinene	0.11
tricyclene	0.10
allo ocimene	0.07
α terpinene	0.07
2-carene	0.02

Aldehydes 0.56%

α campholene aldehyde	0.56
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Monoterpenols 4.31%

trans-verbenol	1.22
para-mentha-1,5-dien-8-ol	0.92
trans-pinocarveol	0.68
α terpinenol	0.64
cis-verbenol	0.31
terpinen-4-ol	0.2
trans-carveol	0.12
para-cymen-8-ol	0.11
linalool	0.09
cis-carveol	0.02

Ethers 0.51%

1,8-cineole	0.36
α pinene oxide	0.05
caryophyllene oxide	0.05
luguloxide	0.04
(Z) limonene oxide	0.01

Esters 0.58%

bornyl acetate	0.45
α-terpinyl acetate	0.11
octan-3-yl acetate	0.02

Ketones 0.87%

verbenone	0.58
pinocarvone	0.18
pinocamphone	0.05
6-methyl-5-hepten-2-one	0.03
carvone	0.03

Sesquiterpenes 3.31%

β elemene	0.77
β bourbonene	0.61
β selinene	0.43
cis-caryophyllene	0.38
α selinene	0.21
β cadinene	0.19
germacrene D	0.19
α copaene	0.16
α humulene	0.12
γ muurolene	0.09
β copaene	0.07
α muurolene	0.05
allo-aromadendrene	0.04
γ cadinene	0.03
cyclosativene	0.03
α gurjunene	0.02

Sesquiterpenols 0.18%

epi-cubebol	0.03
elemol	0.01
viridiflorol	0.05
guaiol	0.05
β eudesmol	0.04

Other 0.16%

toluene	0.08
santene	0.03
6-methyl-5-hepten-2-ol	0.03
nopinone	0.02

Raw Material: resin

Botanical Name: *Boswellia sacra*

Production Method: Steam distillation

Date of Analysis: 6/15/2020

Client



Source



Frankincense Sacra (*Boswellia sacra*)
OM-59066

Sample

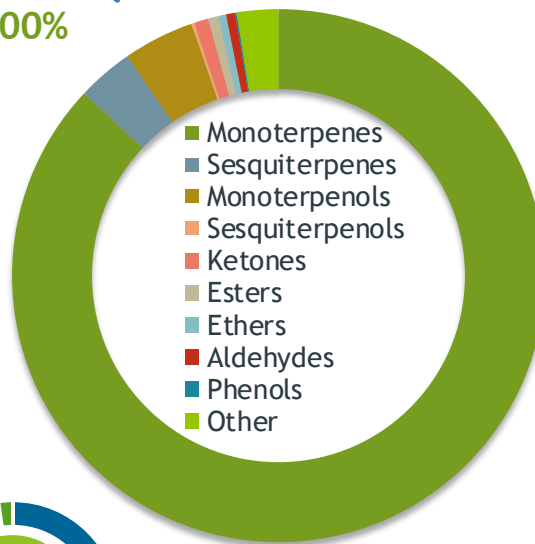
Frankincense Sacra (*Boswellia sacra*)

Batch #:..... OM-59066
Type:..... Essential Oil
CAS Number:... 8016-36-2

Nature's Gift

Monoterpenes

87.00%



Client

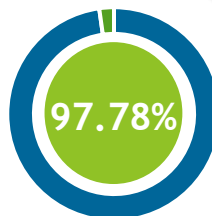


Website



Primary

67.04% | alpha-Pinene
3.49% | Limonene
3.26% | delta-3-Carene



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 Frankincense Sacra (*Boswellia sacra*)

Internal Number: | EVS-3738



Essential Validation Services

747 SW 2nd Ave IMB 12 Suite 306
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adam@essentialvalidationservices.com

Monoterpenes	87.00%	87.00%
Sesquiterpenes		3.39%
Monoterpenols		4.31%
Sesquiterpenols		0.18%
Ketones		0.87%
Esters		0.62%
Ethers		0.47%
Aldehydes		0.56%
Phenols		0.09%
Other		2.51%

Client



Source

Frankincense Sacra (*Boswellia sacra*)

OM-59066

Total Percentage		97.78%		
Number	RT	Area %	Compound Name	Chemical Family
1	3.75	0.08%	Toluene	Simple Phenolic
2	6.69	0.03%	Santene	Normonoterpene
3	8.07	0.23%	Hashishene	Monoterpene
4	8.16	0.10%	Tricyclene	Monoterpene
5	8.33	0.34%	alpha-Thujene	Monoterpene
6	8.66	67.04%	alpha-Pinene	Monoterpene
7	9.20	2.59%	Camphene	Monoterpene
8	9.37	0.53%	Thuja-2,4(10)-diene	Monoterpene
9	10.16	2.02%	Sabinene	Monoterpene
10	10.34	2.12%	beta-Pinene	Monoterpene
11	10.70	0.03%	6-Methyl-5-hepten-2-one	Aliphatic Ketone
12	10.92	1.07%	Myrcene	Monoterpene
13	11.07	0.03%	6-Methyl-5-hepten-2-ol	Aliphatic Alcohol
14	11.29	0.02%	2-Carene	Monoterpene
15	11.58	1.82%	alpha-Phellandrene	Monoterpene
16	11.69	3.26%	delta-3-Carene	Monoterpene
17	12.06	0.07%	alpha-Terpinene	Monoterpene
18	12.39	1.36%	para-Cymene	Monoterpene
19	12.61	3.49%	Limonene	Monoterpene
20	12.70	0.36%	1,8-Cineole	Monoterpene Ether
21	12.98	0.48%	(Z)-beta-Ocimene	Monoterpene
22	13.44	0.36%	(E)-beta-Ocimene	Monoterpene
23	13.93	0.11%	gamma-Terpinene	Monoterpene
24	15.16	0.15%	Terpinolene	Monoterpene
25	15.88	0.09%	Linalool	Monoterpenol
26	16.20	0.05%	alpha-Pinene oxide	Monoterpene Ether
27	16.85	0.02%	Octan-3-yl acetate	Aliphatic Ester
28	17.03	0.56%	alpha-Campholene aldehyde	Monoterpene Aldehyde
29	17.20	0.07%	Alloocimene	Monoterpene
30	17.32	0.01%	cis-Limonene oxide	Monoterpene Ether
31	17.51	0.02%	Nopinone	
32	17.64	0.68%	trans-Pinocarveol	Monoterpenol
33	17.74	0.31%	cis-Verbenol	Monoterpenol
34	17.91	1.22%	trans-Verbenol	Monoterpenol
35	18.55	0.05%	Pinocamphone	Monoterpene Ketone

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

- 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

Client



Source

Frankincense Sacra (*Boswellia sacra*)

OM-59066

Number	RT	Area %	Compound Name	Chemical Family
36	18.641	0.18%	Pinocarvone	Monoterpene Ketone
37	19.12	0.92%	para-Mentha-1,5-dien-8-ol	Monoterpenol
38	19.52	0.20%	Terpinen-4-ol	Monoterpenol
39	19.69	0.01%	para-Methylacetophenone	Simple Phenolic
40	19.84	0.11%	para-Cymen-8-ol	Monoterpenol
41	20.21	0.64%	alpha-Terpineol	Monoterpenol
42	20.69	0.58%	Verbenone	Monoterpene Ketone
43	21.31	0.12%	trans-Carveol	Monoterpenol
44	22.40	0.03%	Carvone	Monoterpene Ketone
45	22.65	0.02%	cis-Carveol	Monoterpenol
46	24.26	0.45%	Bornyl acetate	Monoterpene Ester
47	27.02	0.11%	alpha-Terpinyl acetate	Monoterpene Ester
48	27.88	0.03%	Cyclosativene	Sesquiterpene
49	28.24	0.16%	alpha-Copaene	Sesquiterpene
50	28.56	0.61%	beta-Bourbonene	Sesquiterpene
51	28.85	0.77%	beta-Elemene	Sesquiterpene
52	29.56	0.02%	alpha-Gurjunene	Sesquiterpene
53	30.04	0.38%	cis-Caryophyllene	Sesquiterpene
54	30.48	0.07%	beta-Copaene	Sesquiterpene
55	31.51	0.12%	alpha-Humulene	Sesquiterpene
56	31.70	0.04%	allo-Aromadendrene	Sesquiterpene
57	32.36	0.09%	gamma-Muurolene	Sesquiterpene
58	32.57	0.19%	Germacrene D	Sesquiterpene
59	32.88	0.43%	beta-Selinene	Sesquiterpene
60	33.18	0.21%	alpha-Selinene	Sesquiterpene
61	33.34	0.05%	alpha-Muurolene	Sesquiterpene
62	33.89	0.03%	gamma-Cadinene	Sesquiterpene
63	33.96	0.03%	epi-Cubebol	Sesquiterpenol
64	34.13	0.19%	beta-Cadinene	Sesquiterpene
65	35.27	0.01%	Elemol	Sesquiterpenol
66	35.70	0.04%	30.24 Liguloxide	Sesquiterpene Ester
67	36.49	0.05%	Caryophyllene oxide	Sesquiterpene Ether
68	37.55	0.05%	Viridiflorol	Sesquiterpenol
69	37.76	0.05%	Guaiol	Sesquiterpenol
70	39.23	0.04%	beta-Eudesmol	Sesquiterpenol

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