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Healing Body, Mind and Spirit with Pure Essential Oils

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## Frankincense (White)

*Boswellia sacra*

Batch #OM-58925

Wildcrafted, Oman

### Monoterpenes 96.22%

$\alpha$ pinene	82.08
limonene + 1,8-cineole	3.47
sabinene	3.29
camphene	2.11
$\beta$ pinene	1.67
myrcene	0.69
$\alpha$ phellandrene	0.49
para cymene	0.43
thuja-2,4(10)-diene	0.34
$\delta$ -3- carene	0.32
(Z) $\beta$ ocimene	0.27
hashishene	0.27
$\alpha$ thujene	0.26
(E) $\beta$ ocimene	0.11
$\gamma$ terpinene	0.11
tricyclene	0.08
$\alpha$ terpinene	0.08
terpinolene	0.08
allo ocimene	0.07

### Monoterpenols 0.66%

para-mentha-1,5-dien-8-ol	0.24
trans-verbenol	0.17
terpinen-4-ol	0.17
trans-pinocarveol	0.04
$\alpha$ terpinenol	0.04

### Aldehydes 0.45%

$\alpha$ campholenal	0.32
myrtenal	0.13

### Esters 0.45%

bornyl acetate	0.36
$\alpha$ -terpinyl acetate	0.09

### Ethers 0.02%

caryophyllene oxide	0.02
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### Sesquiterpene 1.54%

$\beta$ elemene	0.37
$\beta$ selinene	0.32
$\beta$ caryophyllene	0.31
$\alpha$ selinene	0.15
$\delta$ cadinene	0.09
$\beta$ bourbonene	0.08
$\alpha$ humulene	0.08
$\alpha$ copaene	0.04
allo-aromadendrene	0.03
$\gamma$ muurolene	0.03
$\gamma$ cadinene	0.02
germacrene D	0.02

### Ketones 0.28%

verbenone	0.24
pinocarpone	0.04

Raw Material: resin

Botanical Name: *Boswellia sacra*

Production Method: Steam distillation

Date of Analysis: 5/3/2019

Client



Source



White Frankincense (*Boswellia sacra*)  
LI 80709

Sample

White Frankincense (*Boswellia sacra*)  
Batch #:..... | LI 80709  
Type:..... | Essential Oil  
CAS Number:... | 8016-36-2  
**Natures Gift**

Client



Website

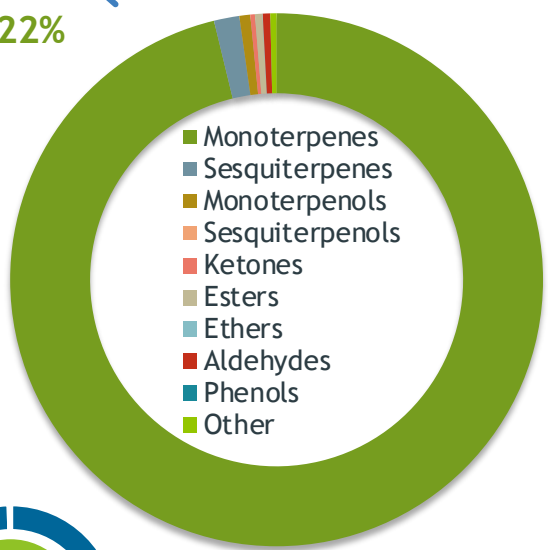


Primary

**82.08%** | alpha-Pinene  
**3.47%** | Limonene (Co-Eluting)  
**3.29%** | Sabinene

Monoterpenes

96.22%



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 White Frankincense (*Boswellia sacra*)

Internal Number: | EVS-2490



Essential Validation Services

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

317.361.5044 |

<https://essentialvalidationservices.com/>

adam@essentialvalidationservices.com

Monoterpenes	96.22%	96.22%
Sesquiterpenes		1.54%
Monoterpenols		0.66%
Sesquiterpenols		0.00%
Ketones		0.28%
Esters		0.45%
Ethers		0.02%
Aldehydes		0.45%
Phenols		0.00%
Other		0.38%

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Client



Source



White Frankincense (*Boswellia sacra*)  
LI 80709

Total Percentage		99.62%			
Number	RT	Area %	Compound Name	RI	Chemical Family
1	11.65	0.27%	Hashishene	922.00	Monoterpene
2	11.77	0.08%	Tricyclene	923.00	Monoterpene
3	12.03	0.26%	alpha-Thujene	927.80	Monoterpene
4	12.38	82.08%	alpha-Pinene	936.10	Monoterpene
5	12.88	2.11%	Camphene	950.30	Monoterpene
6	13.12	0.34%	Thuja-2,4(10)-diene	953.00	Monoterpene
7	13.93	3.29%	Sabinene	973.00	Monoterpene
8	14.05	1.67%	beta-Pinene	974.00	Monoterpene
9	14.67	0.69%	Myrcene	989.20	Monoterpene
10	15.21	0.49%	alpha-Phellandrene	1002.00	Monoterpene
11	15.45	0.32%	delta-3-Carene	1008.00	Monoterpene
12	15.73	0.08%	alpha-Terpinene	1014.00	Monoterpene
13	16.05	0.43%	para-Cymene	1024.30	Monoterpene
14	16.22	3.47%	Limonene	1029.50	Monoterpene
15	16.23	Co-Eluting	1,8-Cineole	1031.80	Monoterpene Ether
16	16.61	0.27%	(Z)-beta-Ocimene	1037.80	Monoterpene
17	17.06	0.11%	(E)-beta-Ocimene	1047.70	Monoterpene
18	17.48	0.11%	gamma-Terpinene	1054.00	Monoterpene
19	18.74	0.08%	Terpinolene	1092.10	Monoterpene
20	20.19	0.32%	alpha-Campholene aldehyde	1125.29	Monoterpene Aldehyde
21	20.34	0.07%	Alloocimene	1129.90	Monoterpene
22	20.76	0.04%	trans-Pinocarveol	1143.75	Monoterpenol
23	20.97	0.17%	trans-Verbenol	1149.00	Monoterpenol
24	21.64	0.04%	Pinocarvone	1161.43	Monoterpene Ketone
25	21.83	0.24%	para-Mentha-1,5-dien-8-ol	1163.00	Monoterpenol
26	22.22	0.17%	Terpinen-4-ol	1180.57	Monoterpenol
27	22.76	0.04%	alpha-Terpineol	1191.71	Monoterpenol
28	22.92	0.13%	Myrtenal	1200.43	Monoterpene Aldehyde
29	23.40	0.24%	Verbenone	1213.80	Monoterpene Ketone
30	26.14	0.36%	Bornyl acetate	1288.29	Monoterpene Ester
31	28.29	0.09%	alpha-Terpinyl acetate	1353.00	Monoterpene Ester
32	29.28	0.04%	alpha-Copaene	1379.00	Sesquiterpene
33	29.59	0.08%	beta-Bourbonene	1388.70	Sesquiterpene
34	29.77	0.37%	beta-Elemene	1389.20	Sesquiterpene
35	30.74	0.31%	beta-Caryophyllene	1427.14	Sesquiterpene

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Client



Source



White Frankincense (*Boswellia sacra*)  
LI 80709

Number	RT	Area %	Compound Name	RI	Chemical Family
36	31.83	0.08%	alpha-Humulene	1461.43	Sesquiterpene
37	32.06	0.03%	allo-Aromadendrene	1471.00	Sesquiterpene
38	32.48	0.03%	gamma-Murolene	1478.86	Sesquiterpene
39	32.67	0.02%	Germacrene D	1484.71	Sesquiterpene
40	32.86	0.32%	beta-Selinene	1487.57	Sesquiterpene
41	33.12	0.15%	alpha-Selinene	1492.50	Sesquiterpene
42	33.66	0.02%	gamma-Cadinene	1515.29	Sesquiterpene
43	33.90	0.09%	delta-Cadinene	1524.14	Sesquiterpene
44	35.79	0.02%	Caryophyllene oxide	1594.86	Sesquiterpene Ether

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