AROMATICS DATA

GC-MS BATCH SUMMARY

Batch FRF-105

November 15, 2026

Frankincense Frereana Essential Oil

Boswellia frereana

Essential Oil

DISTILLATION DATE	EXTRACTION	CULTIVATION	COUNTRY OF ORIGIN
May 15, 2026	**Steam Distilled**	**Certified Organic**	**Somaliland**

TOP 5 COMPONENTS

of 82 measured

α-thujene	Monoterpene	**32.98%**
p-cymene	Monoterpene	**13.39%**
α-pinene	Monoterpene	**11.66%**
sabinene	Monoterpene	**6.39%**
terpinen-4-ol	Monoterpenol	**5.72%**

Full composition · 82 components across 11 families

Monoterpene	**74.00%**
α-thujene	32.98%
p-cymene	13.39%
α-pinene	11.66%
sabinene	6.39%
limonene (d)	2.16%
α-phellandrene	1.40%
γ-terpinene	1.08%
β-pinene	0.93%
β-myrcene	0.91%
β-phellandrene	0.88%

Every batch is GC-MS tested by an independent lab. This report is provided for full transparency by Aromatics International.

Verify this batch: data.aromatics.com/products/frankincense-frereana-essential-oil#batch=FRF-105

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α-terpinene	0.75%
terpinolene	0.47%
hashishene	0.45%
camphene	0.27%
bornylene	0.17%
δ-3-carene	0.06%
(E)-β-ocimene	0.03%
α-fenchene	0.02%
Monoterpenol	**9.40%**
terpinen-4-ol	5.72%
p-cymen-8-ol	0.71%
α-terpineol	0.68%
(E)-sabinol	0.49%
(Z)-sabinol	0.36%
(Z)-p-Menth-2-en-1-ol	0.32%
linalool	0.19%
(E)-sabinene hydrate	0.14%
(E)-pinocarveol	0.13%
(E)-verbenol	0.13%
(E)-piperitol	0.10%
isoborneol	0.09%
(Z)-piperitol	0.08%
(Z)-sabinene hydrate	0.07%
citronellol	0.06%
(E)-carveol	0.05%
τ-cadinol	0.05%
terpinen-1-ol	0.03%
Ketone	**4.83%**
thuja-2,4(10)-diene	3.89%

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umbellulone	0.28%
α-thujone	0.16%
sabina ketone	0.09%
carvotanacetone	0.08%
6-methyl-5-hepten-2-one	0.07%
cryptone	0.06%
verbenone	0.06%
piperitone	0.05%
pinocarvone	0.04%
carvenone	0.03%
carvone	0.02%
Other	**3.44%**
β-thujone	1.24%
α-phellandrene, dimer	0.88%
uk bp: 109	0.72%
3-p-menthene	0.31%
4-isopropylbenzyl alcohol	0.09%
cis-salvene	0.08%
toluene	0.04%
trans-sabinene hydrate acetate	0.04%
trans-salvene	0.02%
m-cumenol	0.02%
Sesquiterpene	**2.19%**
β-bourbonene	1.68%
β-copaene	0.17%
β-ylangene	0.15%
α-copaene	0.05%
β-caryophyllene	0.04%
γ-cadinene	0.04%

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germacrene D	0.02%
δ-cadinene	0.02%
allo-aromadendrene	0.01%
γ-muurolene	0.01%
Oxide	**2.15%**
1,8-cineole	2.01%
1,4-cineole	0.11%
2,3-dehydro-1,8-cineole	0.03%
Ester	**0.39%**
bornyl acetate	0.34%
citronellyl acetate	0.05%
Phenol	**0.30%**
carvacrol	0.16%
thymol	0.14%
Aldehyde	**0.25%**
cuminal	0.14%
α-campholene aldehyde	0.05%
myrtenal	0.04%
phellandral	0.02%
Sesquiterpenol	**0.07%**
p-cresol	0.04%
viridiflorol	0.03%
Ether	**0.01%**
2-methylanisole	0.01%

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