AROMATICS DATA

GC-MS BATCH SUMMARY

Batch SAR-113

November 20, 2026

Saro Essential Oil

Cinnamosma fragrans

Essential Oil

DISTILLATION DATE	EXTRACTION	CULTIVATION	COUNTRY OF ORIGIN
December 1, 2025	**Steam Distilled**	**Wildcrafted**	**Madagascar**

TOP 5 COMPONENTS

of 70 measured

1,8-cineole	Oxide	**26.53%**
linalool	Monoterpenol	**20.13%**
limonene (d)	Monoterpene	**8.32%**
β-pinene	Monoterpene	**6.62%**
sabinene	Monoterpene	**4.29%**

Batch SAR-113 comes from Madagascar, where Saro (*Cinnamosma fragrans*) grows wild in its native habitat. The leaves are carefully gathered by hand and steam distilled, producing an essential oil with a beautifully fresh, bright aroma.

Distilled in December 2025, this batch has a crisp, camphoraceous opening that gradually reveals softer, sweet, herbal notes with a delicate hint of citrus. Saro is treasured for its refreshing, clarifying aromatic character and is a wonderful choice for diffusion, personal inhalers, and blends that encourage a sense of openness and clarity.

Every batch we offer is independently GC-MS tested to verify its chemical composition. The complete GC-MS report and Certificate of Analysis for SAR-113 are available to download, allowing you to explore the unique chemistry of the oil in your bottle.

CHEMISTRY HIGHLIGHTS

Batch SAR-113 has a particularly beautiful balance of fresh, bright, and softly sweet aromatic components. GC-MS analysis identified **70 individual components**, with 1,8-cineole at 26.53%, linalool at 20.13%, and

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d-limonene at 8.32% leading the profile.

Linalool is especially noteworthy in this batch. At 20.13%, it is considerably higher than the 3.27–14.62% range identified across our six previous Saro batches. Linalool contributes soft, floral, and gently sweet notes that complement the fresh, camphoraceous character of 1,8-cineole.

The three major chemical families are remarkably balanced. Monoterpenes account for 32.51%, bringing fresh, lively aromatic notes, while oxides at 27.02% contribute a crisp, penetrating quality. Monoterpenols make up another 27.01%, adding softer floral and herbal dimensions.

Another interesting feature is beta-caryophyllene at 4.08%, higher than the 1.28–2.81% range observed in our earlier batches. Smaller amounts of neral (1.22%) and geranial (1.54%), together with d-limonene, contribute to the oil's subtle citrus character.

This distinctive balance of components gives SAR-113 its own chemical fingerprint, highlighting the natural variation that makes each batch of Saro unique.

Full composition · 70 components across 8 families

Monoterpene	**32.51%**
limonene (d)	8.32%
β-pinene	6.62%
sabinene	4.29%
α-pinene	3.51%
β-myrcene	2.20%
β-phellandrene	2.07%
γ-terpinene	1.54%
(E)-β-ocimene	1.11%
α-terpinene	0.86%
p-cymene	0.55%
terpinolene	0.45%
alloocimene	0.36%
α-thujene	0.34%
pseudolimonene	0.21%
camphene	0.08%

Oxide	**27.02%**
1,8-cineole	26.53%
caryophyllene oxide	0.29%
linalool (Z)-oxide	0.09%
(E)-linalool oxide	0.06%
humulene epoxide 2	0.05%
Monoterpenol	**27.01%**
linalool	20.13%
α-terpineol	2.92%
terpinen-4-ol	2.89%
geraniol	0.37%
δ-terpineol	0.32%
nerol	0.12%
citronellol	0.11%
hotrienol	0.07%
(Z)-p-Menth-2-en-1-ol	0.04%
(Z)-piperitol	0.03%
(E)-sabinene hydrate	0.01%
Sesquiterpene	**8.57%**
β-caryophyllene	4.08%
α-caryophyllene	1.23%
δ-cadinene	0.69%
α-cubebene	0.57%
(E)-β-farnesene	0.44%
α-copaene	0.36%
β-elemene	0.28%
germacrene D	0.28%
γ-elemene	0.13%
(Z)-cadina-1(6),4-diene	0.11%

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δ-guaiene	0.09%
(E)-cadina-1,4-diene	0.09%
zonarene	0.06%
β-selinene	0.05%
γ-muurolene	0.05%
β-bourbonene	0.02%
β-bisabolene	0.02%
(Z)-hex-3-en-1-ol	0.02%
Aldehyde	**2.99%**
geranial	1.54%
neral	1.22%
citronellal	0.09%
isogeranial	0.08%
isoneral	0.06%
Ester	**1.25%**
α-terpinyl acetate	0.36%
geranyl acetate	0.31%
neryl acetate	0.21%
(Z)-muurola-3,5-diene	0.17%
citronellyl acetate	0.07%
isoamyl isovalerate	0.07%
bornyl acetate	0.04%
isoamyl acetate	0.01%
ethyl isovalerate	0.01%
Other	**0.28%**
Muurola4(14),5-diene<tran...>	0.12%
geranate	0.07%
trans-para-Menth2-en-1-ol	0.04%
2,3-butanediol	0.03%

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3-Hexanone	0.02%
Sesquiterpenol	**0.10%**
epi-cubenol	0.06%
(E)-nerolidol	0.04%

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