AROMATICS DATA

GC-MS BATCH SUMMARY

Batch GGR-109

September 15, 2026

Gingergrass Essential Oil

Cymbopogon martinii var. sofia

Essential Oil

DISTILLATION DATE	EXTRACTION	CULTIVATION	COUNTRY OF ORIGIN
November 15, 2023	Steam Distilled	Wildcrafted	India

TOP 5 COMPONENTS

of 106 measured

camphene	Monoterpene	**17.84%**
geranyl acetate	Ester	**14.06%**
limonene (d)	Monoterpene	**8.48%**
(E)-nerolidol	Sesquiterpenol	**6.96%**
bornyl acetate	Ester	**5.89%**

Full composition · 106 components across 11 families

Monoterpene	**36.85%**
camphene	17.84%
limonene (d)	8.48%
tricyclene	4.83%
α-pinene	4.56%
p-cymene	0.38%
β-myrcene	0.26%
sabinene	0.21%
β-pinene	0.10%
(Z)-β-ocimene	0.05%
bornylene	0.04%

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/gingergrass-essential-oil#batch=GGR-109

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isoterpinolene	0.04%
(E)-β-ocimene	0.03%
α-thujene	0.02%
γ-terpinene	0.01%
Ester	**23.07%**
geranyl acetate	14.06%
bornyl acetate	5.89%
α-terpinyl acetate	1.34%
geranyl formate	0.35%
citronellyl acetate	0.29%
camphene hydrate	0.28%
(Z)-pinocarvyl acetate	0.27%
bornyl formate	0.21%
(Z)-muurola-4(14),5-diene	0.09%
myrtenyl acetate	0.08%
decyl acetate	0.07%
(E)-verbenyl acetate	0.06%
octyl acetate	0.04%
neryl acetate	0.04%
Monoterpenol	**12.57%**
borneol	5.24%
geraniol	4.14%
linalool	0.77%
α-terpineol	0.60%
terpinen-4-ol	0.43%
isoborneol	0.29%
p-cymen-8-ol	0.24%
(E)-carveol	0.24%
citronellol	0.12%

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(Z)-p-mentha-2,8-dien-1-ol	0.08%
(E)-p-mentha-2,8-dien-1-ol	0.07%
(E)-verbenol	0.07%
(Z)-verbenol	0.06%
(Z)-carveol	0.05%
τ-cadinol	0.05%
(E)-p-menth-2-en-1-ol	0.04%
(E)-pinocarveol	0.04%
1-octanol	0.02%
(E)-piperitol	0.02%
Sesquiterpenol	**12.46%**
(E)-nerolidol	6.96%
1,10-epi-cubenol	4.30%
α-cadinol	0.18%
allohimachalol	0.17%
pogostol	0.15%
epi-cubebol	0.14%
α-muurolol	0.14%
cubebol	0.10%
epi-cubenol	0.10%
1-nonanol	0.07%
junenol	0.05%
(E)-myrtanol	0.04%
α-muurolol	0.03%
α-bisabolol	0.03%
Sesquiterpene	**4.00%**
β-caryophyllene	0.91%
δ-cadinene	0.89%
α-ylangene	0.45%

β-elemene	0.28%
γ-cadinene	0.20%
β-gurjunene	0.18%
α-copaene	0.17%
(E)-α-bergamotene	0.16%
γ-muurolene	0.15%
α-caryophyllene	0.12%
α-guaiene	0.11%
6,9-guaiadiene	0.09%
α-amorphene	0.07%
β-cubebene	0.05%
β-guaiene	0.04%
cuparene	0.04%
β-barbatene	0.03%
α-calacorene	0.03%
β-bisabolene	0.02%
longifolene	0.01%
Oxide	**2.66%**
caryophyllene oxide	2.16%
(E)-linalool oxide	0.23%
humulene epoxide 2	0.16%
linalool (Z)-oxide	0.11%
Ketone	**1.87%**
camphor	1.06%
carvone	0.45%
verbenone	0.18%
cryptone	0.09%
6-methyl-5-hepten-2-one	0.05%
thuja-2,4(10)-diene	0.04%

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Ether	**0.86%**
elemicin	0.86%
Aldehyde	**0.76%**
geranial	0.48%
neral	0.19%
decanal	0.04%
α-campholene aldehyde	0.03%
nonanal	0.02%
Other	**0.72%**
10.70 camphenilone	0.25%
4-epi-cisdihydroagarofuran	0.24%
kessane	0.08%
6-methyl-3,5-heptadien-2-one	0.06%
oplopanone	0.05%
dehydro-p-cymene	0.02%
toluene	0.01%
nonyl acetate	0.01%
Furan	**0.03%**
perillene	0.03%

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