AROMATICS DATA

GC-MS BATCH SUMMARY

Batch LGR-121

November 8, 2026

Lemongrass Essential Oil

Cymbopogon flexuosus

Essential Oil

DISTILLATION DATE	EXTRACTION	CULTIVATION	COUNTRY OF ORIGIN
June 20, 2024	Steam Distilled	Wildcrafted	India

TOP 5 COMPONENTS

of 88 measured

geranial	Aldehyde	**33.95%**
neral	Aldehyde	**28.18%**
geraniol	Monoterpenol	**8.22%**
geranyl acetate	Ester	**5.27%**
β-caryophyllene	Sesquiterpene	**3.02%**

Full composition · 88 components across 11 families

Aldehyde	**66.28%**
geranial	33.95%
neral	28.18%
isogeranial · (E)-isocitral	1.96%
isoneral	1.18%
citronellal	0.42%
decanal	0.26%
isogeranial · exo-isocitral	0.14%
octanal	0.10%
2,6-dimethyl-5-heptenal	0.04%
dodecanal	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/lemongrass-essential-oil#batch=LGR-121

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nonanal	0.01%
Monoterpenol	**10.52%**
geraniol	8.22%
linalool	1.44%
(E)-chrysanthemal	0.35%
nerol	0.19%
citronellol	0.18%
α-terpineol	0.14%
Sesquiterpene	**7.81%**
β-caryophyllene	3.02%
γ-cadinene	1.61%
δ-cadinene	0.59%
β-elemene	0.40%
α-caryophyllene	0.39%
germacrene D	0.37%
α-ylangene	0.26%
isoledene	0.22%
β-cubebene	0.14%
(E)-γ-bisabolene	0.14%
β-copaene	0.12%
(E)-cadina-1,4-diene	0.11%
α-cadinene	0.09%
α-copaene	0.08%
α-cubebene	0.06%
(Z)-cadina-1(6),4-diene	0.05%
zonarene	0.05%
1-epi-bicyclosesquiphellandrene	0.04%
γ-muurolene	0.02%
6,9-guaiadiene	0.02%

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cuparene	0.01%
α-calacorene	0.01%
germacrene B	0.01%
Ester	**5.60%**
geranyl acetate	5.27%
geranyl formate	0.07%
citronellyl acetate	0.07%
geranyl butyrate	0.06%
(Z)-3-hexenyl acetate	0.05%
methyl geranate	0.03%
(Z)-muurola-4(14),5-diene	0.03%
geranyl caprylate	0.01%
(Z)-muurola-3,5-diene	0.01%
Ketone	**2.92%**
6-methyl-5-hepten-2-one	1.60%
4-nonanone	1.03%
camphor	0.17%
α-thujone	0.12%
Monoterpene	**1.76%**
camphene	0.70%
limonene (d)	0.24%
(Z)-β-ocimene	0.23%
(E)-β-ocimene	0.19%
α-pinene	0.14%
β-myrcene	0.08%
tricyclene	0.08%
alloocimene	0.05%
terpinolene	0.04%
γ-terpinene	0.01%

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Oxide	**1.61%**
caryophyllene oxide	0.98%
rosefuran oxide	0.51%
humulene epoxide 2	0.08%
(E)-linalool oxide	0.02%
linalool (Z)-oxide	0.02%
Sesquiterpenol	**1.17%**
cubebol	0.48%
epi-cubebol	0.26%
elemol	0.15%
1,10-epi-cubenol	0.07%
α-muurolol	0.06%
viridiflorol	0.04%
(E,E)-farnesol	0.04%
epi-cubenol	0.03%
himachalol	0.02%
junenol	0.02%
Ether	**0.62%**
(E)-isoeugenol	0.62%
Other	**0.40%**
geranate	0.20%
limonene dioxide	0.10%
(e,z)-farnesal	0.03%
4-heptanone	0.02%
phytone	0.02%
(Z)-isoeugenol	0.01%
6-Methylhept-5-en-2-ol	0.01%
phenylacetaldehyde	0.01%

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Furan	**0.09%**
perillene	0.09%

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