AROMATICS DATA

GC-MS BATCH SUMMARY

Batch CIJ-112

October 31, 2026

Citronella Java Essential Oil

Cymbopogon winterianus

Essential Oil

DISTILLATION DATE	EXTRACTION	CULTIVATION	COUNTRY OF ORIGIN
December 1, 2024	Steam Distilled	Organically Grown	Indonesia

TOP 5 COMPONENTS

of 104 measured

citronellal	Aldehyde	**30.61%**
geraniol	Monoterpenol	**19.59%**
citronellol	Monoterpenol	**11.71%**
citronellyl acetate	Ester	**5.21%**
geranyl acetate	Ester	**5.01%**

Full composition · 104 components across 10 families

Monoterpenol	**34.06%**
geraniol	19.59%
citronellol	11.71%
neoisopulegol	1.01%
linalool	0.96%
τ-cadinol	0.26%
nerol	0.23%
α-terpineol	0.14%
isopulegol	0.07%
borneol	0.07%
1-octanol	0.01%

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/citronella-java-essential-oil#batch=CIJ-112

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(E)-sabinene hydrate	0.01%
Aldehyde	**32.37%**
citronellal	30.61%
geranial	0.71%
neral	0.60%
decanal	0.17%
2,6-dimethyl-5-heptenal	0.16%
isogeranial	0.06%
dodecanal	0.02%
isoneral	0.01%
(Z)-4-decenal	0.01%
octanal	0.01%
nonanal	0.01%
Ester	**10.61%**
citronellyl acetate	5.21%
geranyl acetate	5.01%
(Z)-muurola-4(14),5-diene	0.11%
geranyl butyrate	0.09%
neryl acetate	0.05%
geranyl formate	0.03%
bornyl acetate	0.03%
(Z)-muurola-3,5-diene	0.03%
citronellyl butyrate	0.03%
citronellyl formate	0.01%
geranyl caprylate	0.01%
Sesquiterpene	**9.82%**
β-elemene	1.93%
germacrene D	1.92%
δ-cadinene	1.71%

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β-caryophyllene	1.35%
(Z,E)-α-farnesene	0.90%
γ-cadinene	0.49%
α-caryophyllene	0.26%
(E)-α-bergamotene	0.26%
γ-muurolene	0.18%
β-copaene	0.13%
α-cadinene	0.12%
1-epi-bicyclosesquiphellandrene	0.11%
(E,E)-α-farnesene	0.09%
(Z)-cadina-1(6),4-diene	0.07%
(E)-β-farnesene	0.05%
(E)-cadina-1,4-diene	0.05%
α-copaene	0.04%
γ-selinene	0.03%
β-selinene	0.03%
zonarene	0.03%
α-cubebene	0.02%
γ-gurjunene	0.02%
δ-elemene	0.01%
β-bourbonene	0.01%
δ-amorphene	0.01%
Sesquiterpenol	**7.12%**
elemol	3.18%
germacrene D-4-ol	1.14%
α-cadinol	0.91%
α-muurolol · α-muurolene	0.62%
1,10-epi-cubenol	0.28%
τ-muurolol	0.28%
cubebol	0.22%

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γ-eudesmol	0.19%
pogostol	0.09%
α-muurolol	0.08%
(Z,E)-farnesol	0.04%
10-epi-γ-eudesmol	0.04%
(E)-nerolidol	0.03%
(E,E)-farnesol	0.02%
Monoterpene	**4.08%**
limonene (d)	2.62%
(Z)-β-ocimene	0.39%
α-pinene	0.25%
(E)-β-ocimene	0.22%
camphene	0.18%
β-myrcene	0.12%
terpinolene	0.08%
alloocimene	0.08%
tricyclene	0.06%
sabinene	0.02%
α-phellandrene	0.02%
p-cymene	0.01%
γ-terpinene	0.01%
β-pinene	0.01%
α-terpinene	0.01%
Ether	**0.30%**
methyl eugenol	0.17%
(E)-isoeugenol	0.13%
Other	**0.22%**
21.44 menthol<8-hydroxy-neo->	0.09%
23.43 ylangene<α->	0.05%

cryptomeridiol	0.02%
4-vinylguaiacol	0.01%
oplopanone	0.01%
phenylacetaldehyde	0.01%
25.51 duprezianene<β->	0.01%
34.69 agarospirol	0.01%
(e,z)-farnesal	0.01%
Oxide	**0.14%**
caryophyllene oxide	0.07%
(Z)-rose oxide	0.04%
(E)-rose oxide	0.02%
humulene epoxide 2	0.01%
Ketone	**0.08%**
6-methyl-5-hepten-2-one	0.06%
isomenthone	0.02%