AROMATICS DATA

GC-MS BATCH SUMMARY

Batch VET-116

November 15, 2026

Vetiver Essential Oil

Chrysopogon zizanioides

Essential Oil

DISTILLATION DATE	EXTRACTION	CULTIVATION	COUNTRY OF ORIGIN
April 15, 2026	**Steam Distilled**	**Organically Grown**	**India**

TOP 5 COMPONENTS

of 105 measured

khusimol	Sesquiterpenol	**8.27%**
α-costol	Other	**5.27%**
α-cadinol	Sesquiterpenol	**5.02%**
β-vetivenene	Sesquiterpene	**4.91%**
vetiselinenol	Sesquiterpenol	**2.97%**

This batch of Vetiver comes from organically grown roots in India, steam distilled in April 2026. Vetiver's aroma is deep and earthy, smoky and sweet at once, the kind of grounding base note that settles a blend and lingers for hours on the skin.

GC-MS analysis of batch VET-116 identified 105 individual components. Khusimol leads at 8.27%, followed by alpha-Costol at 5.27% and alpha-cadinol at 5.02%. Sesquiterpenols make up nearly 27% of the profile, a family associated with gentle, skin-friendly character, while sesquiterpenes contribute another 15.6% and lend Vetiver its heavy, tenacious depth and grounding quality.

Chrysopogon zizanioides is often stretched or rebuilt, so we test every lot. This exact batch was independently GC-MS analyzed, and the full report and certificate of analysis are available to download here.

CHEMISTRY HIGHLIGHTS

VET-116 is a textbook example of how diffuse a vetiver profile can be: 105 components, and the largest single peak is khusimol at just 8.27%, below the 10.13% mean across our other *Chrysopogon zizanioides* batches though well inside the 3.75-15.23% spread we have seen. Alcohols carry the weight, with sesquiterpenols

totaling 26.92% against 15.64% sesquiterpenes. Vetiselinenol at 2.97% sits near the top of our 0.17-3.31% range.

The vetivone pair is both present and intact, α at 2.53% and β at 1.12%, alongside khusimone (0.87%) and zizanal (0.85%). Down at the floor, guaiacol (0.01%), 4-vinylguaiacol (0.02%) and furfural (0.02%) are the kind of traces that contribute smoky edge far out of proportion to their numbers.

Full composition · 105 components across 8 families

Sesquiterpenol	**26.92%**
khusimol	8.27%
α-cadinol	5.02%
vetiselinenol	2.97%
juniper camphor	2.27%
ledol	2.13%
maaliol	2.07%
junenol	0.93%
elemol	0.80%
epi-cubenol	0.72%
cedrol	0.62%
nootkatol	0.58%
β-costol	0.38%
spathulenol	0.16%
Other	**24.71%**
α-costol	5.27%
Germacra4(15),5,10(14)-trien-1-alph...ol	2.05%
β-vetispirene	1.99%
zizanone<epi->	1.74%
khusiol	1.68%
Selina-3,11-dien-6-α-ol	1.37%
Vetispirene<α->	1.30%
(Z)-α-santalyl acetate	1.19%

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cyclocopacampha-12-ol (epimer b)	1.18%
β-vetivenene isomer i	1.10%
valencene<13-hydroxy->	0.93%
cedr-8-en-13-ol	0.83%
(Z)-Isovalencenal	0.81%
Acoradienol<β->	0.58%
nootkatene	0.46%
2-epi-betaFunebrene	0.37%
(E)-isovalencenal	0.37%
cis-alphaBisabolene	0.32%
Dauca-4(11),7-diene<trans->	0.32%
Bourbonanone<1-...nor->	0.19%
oplopanone	0.18%
β-vetivenene isomer ii	0.16%
2-Norzizaene	0.15%
acora-3,7(14)-diene	0.14%
4-vinylguaiacol	0.02%
linoleic acid	0.01%
Sesquiterpene	**15.64%**
β-vetivenene	4.91%
α-amorphene	2.23%
δ-cadinene	1.62%
α-himachalene	1.17%
selina-3,7(11)-diene	0.89%
δ-selinene	0.69%
ar-curcumene	0.65%
prezizaene	0.64%
γ-vetivenene	0.63%
γ-amorphene	0.52%
α-ylangene	0.26%

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β-cedrene	0.21%
6,9-guaiadiene	0.19%
α-selinene	0.15%
α-cedrene	0.11%
β-gurjunene	0.10%
β-elemene	0.09%
β-longipinene	0.08%
allo-aromadendrene	0.08%
(Z)-cadina-1(6),4-diene	0.08%
α-gurjunene	0.05%
γ-cadinene	0.05%
β-caryophyllene · cis-caryophyllene	0.04%
β-caryophyllene	0.04%
amorpha-4,11-diene	0.04%
sativene	0.03%
italicene	0.03%
γ-elemene	0.03%
α-cubebene	0.02%
α-copaene	0.01%
Ketone	**4.82%**
α-vetivone	2.53%
β-vetivone	1.12%
khusimone	0.87%
nootkatone	0.28%
carvone	0.02%
Aldehyde	**0.87%**
zizanal	0.85%
furfural	0.02%

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Monoterpenol	**0.58%**
τ-cadinol	0.56%
menthol	0.02%
Ester	**0.26%**
(Z)-muurola-3,5-diene	0.26%
Phenol	**0.01%**
guaiacol	0.01%
Unidentified peaks	**17.90%**
25 peaks the lab could not identify	17.90%

RT 45.10 min 2.40% · RT 39.60 min 1.96% · RT 42.46 min 1.59% · RT 39.39 min 1.45% · RT 37.78 min 1.38% · RT 41.34 min 1.07% · RT 38.27 min 0.93% · RT 38.50 min 0.62% · RT 36.07 min 0.51% · RT 40.11 min 0.51% · RT 36.39 min 0.49% · RT 38.76 min 0.49% · RT 42.06 min 0.49% · RT 40.27 min 0.44% · RT 34.84 min 0.42% · RT 32.01 min 0.37% · RT 36.96 min 0.36% · RT 43.65 min 0.36% · RT 37.51 min 0.34% · RT 33.45 min 0.31% · RT 42.69 min 0.31% · RT 39.68 min 0.30% · RT 38.66 min 0.27% · RT 44.44 min 0.27% · RT 33.86 min 0.26%

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