AROMATICS DATA

GC-MS BATCH SUMMARY

Batch GIN-116

November 12, 2026

Ginger Essential Oil

Zingiber officinale

Essential Oil

DISTILLATION DATE	EXTRACTION	CULTIVATION	COUNTRY OF ORIGIN
September 22, 2025	**Steam Distilled**	**Organically Grown**	**India**

TOP 5 COMPONENTS		of 52 measured
zingiberene	Sesquiterpene	**26.42%**
β-sesquiphellandrene	Sesquiterpene	**12.80%**
β-bisabolene	Sesquiterpene	**11.33%**
ar-curcumene	Sesquiterpene	**9.66%**
(E,E)-α-farnesene	Sesquiterpene	**9.58%**

Full composition · 52 components across 8 families

Sesquiterpene	**79.68%**
zingiberene	26.42%
β-sesquiphellandrene	12.80%
β-bisabolene	11.33%
ar-curcumene	9.66%
(E,E)-α-farnesene	9.58%
germacrene D	1.74%
β-elemene	1.08%
α-panasinsen	1.08%
γ-elemene	1.06%
γ-cadinene	0.78%

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/ginger-essential-oil#batch=GIN-116

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α-copaene	0.68%
allo-aromadendrene	0.58%
(E)-β-farnesene	0.49%
sesquisabinene	0.49%
γ-curcumene	0.47%
(E)-γ-bisabolene	0.44%
α-ylangene	0.42%
β-selinene	0.20%
β-curcumene	0.15%
β-caryophyllene	0.13%
δ-elemene	0.10%
Monoterpene	**7.70%**
camphene	3.12%
β-phellandrene	2.02%
α-pinene	1.16%
limonene (d)	0.60%
β-myrcene	0.43%
β-pinene	0.16%
α-phellandrene	0.11%
isoterpinolene	0.10%
Monoterpenol	**2.10%**
borneol	1.00%
α-terpineol	0.51%
linalool	0.25%
citronellol	0.24%
terpinen-4-ol	0.10%
Oxide	**1.93%**
1,8-cineole	1.65%
caryophyllene oxide	0.28%

Sesquiterpenol	**1.92%**
elemol	0.54%
(E)-nerolidol	0.51%
β-eudesmol	0.27%
ledol	0.24%
(E)-sesquisabinene hydrate	0.21%
α-bisabolol	0.15%
Aldehyde	**1.24%**
decanal	0.42%
geranial	0.34%
octanal	0.25%
neral	0.23%
Ketone	**0.98%**
6-methyl-5-hepten-2-one	0.50%
2-undecanone	0.30%
camphor	0.18%
Other	**0.51%**
7-epi-sesquithujene	0.29%
ylangene<β->	0.12%
β-acorenol	0.10%