AROMATICS DATA

GC-MS BATCH SUMMARY

Batch BAS-115

November 14, 2026

Basil Sweet Essential Oil

Ocimum basilicum ct. linalool

Essential Oil

DISTILLATION DATE	EXTRACTION	CULTIVATION	COUNTRY OF ORIGIN
March 12, 2024	Steam Distilled	Organically Grown	Nepal

TOP 5 COMPONENTS

of 92 measured

linalool	Monoterpenol	**55.85%**
(E)-α-bergamotene	Sesquiterpene	**5.15%**
1,8-cineole	Oxide	**5.04%**
geraniol	Monoterpenol	**3.46%**
τ-cadinol	Monoterpenol	**2.56%**

Full composition · 92 components across 12 families

Monoterpenol	**65.47%**
linalool	55.85%
geraniol	3.46%
τ-cadinol	2.56%
terpinen-4-ol	2.16%
α-terpineol	0.56%
(E)-sabinene hydrate	0.40%
borneol	0.33%
nerol	0.05%
1-octanol	0.05%
p-cymen-8-ol	0.02%

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/basil-sweet-essential-oil#batch=BAS-115

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(E)-p-menth-2-en-1-ol	0.02%
citronellol	0.01%

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Sesquiterpene	**16.08%**
(E)-α-bergamotene	5.15%
germacrene D	2.49%
γ-cadinene	2.17%
β-elemene	1.90%
α-caryophyllene	0.80%
δ-guaiene	0.70%
β-caryophyllene	0.44%
bicyclogermacrene	0.43%
α-zingiberene	0.37%
(Z)-calamenene	0.32%
β-gurjunene	0.21%
β-sesquiphellandrene	0.20%
α-copaene	0.13%
(Z)-β-farnesene	0.13%
δ-elemene	0.12%
β-bisabolene	0.09%
β-selinene	0.08%
(Z)-α-bergamotene	0.07%
β-acoradiene	0.06%
α-cadinene	0.05%
α-cubebene	0.04%
β-cedrene	0.04%
allo-aromadendrene	0.04%
viridiflorene	0.02%
himachala-2,4-diene	0.01%
(E)-α-bisabolene	0.01%
(Z)-hex-3-en-1-ol	0.01%
Oxide	**5.20%**
1,8-cineole	5.04%

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(E)-linalool oxide	0.08%
caryophyllene oxide	0.05%
humulene epoxide 2	0.03%
Monoterpene	**4.37%**
(E)-β-ocimene	0.70%
β-pinene	0.55%
β-myrcene	0.54%
limonene (d)	0.52%
α-pinene	0.52%
p-cymene	0.44%
sabinene	0.29%
γ-terpinene	0.18%
terpinolene	0.16%
α-thujene	0.15%
camphene	0.13%
α-terpinene	0.10%
(Z)-β-ocimene	0.06%
α-phellandrene	0.03%
Ester	**3.16%**
bornyl acetate	1.33%
geranyl acetate	0.96%
(Z)-muurola-4(14),5-diene	0.53%
octyl acetate	0.13%
1-octen-3-yl acetate	0.08%
(Z)-muurola-3,5-diene	0.06%
(Z)-3-hexenyl butyrate	0.05%
neryl acetate	0.02%
Phenol	**1.75%**
eugenol	1.75%

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Sesquiterpenol	**1.68%**
1,10-epi-cubenol	0.51%
(E)-nerolidol	0.40%
spathulenol	0.18%
maaliol	0.12%
α-cadinol	0.11%
viridiflorol	0.08%
cubebol	0.05%
1-octen-3-ol	0.05%
isospathulenol	0.04%
α-bisabolol	0.04%
elemol	0.04%
(Z)-sesquisabinene hydrate	0.03%
3-octanol	0.02%
globulol	0.01%
Ketone	**0.55%**
camphor	0.45%
β-cyclocitral	0.06%
6,7-epoxymyrcene	0.02%
3-octanone	0.02%
Ether	**0.52%**
estragole (methyl chavicol)	0.47%
methyl eugenol	0.05%
Aldehyde	**0.26%**
geranial	0.18%
neral	0.08%
Other	**0.16%**
(Z)-epoxy-ocimene	0.13%
δ-decalactone	0.02%

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phytone	0.01%
Furan	**0.01%**
perillene	0.01%

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