

Hops Oil Cascade

Humulus lupulus

Essential Oil

DISTILLATION DATE September 1, 2019	EXTRACTION Steam Distilled	CULTIVATION Conventional	COUNTRY OF ORIGIN USA
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TOP 5 COMPONENTS		of 54 measured
β-myrcene	Monoterpene	62.20%
α-caryophyllene	Sesquiterpene	13.73%
β-caryophyllene	Sesquiterpene	5.86%
(E)-β-farnesene	Sesquiterpene	2.73%
geranyl geraniadiene	Diterpene	1.59%

Full composition · 54 components across 9 families

Monoterpene	63.91%
β-myrcene	62.20%
β-pinene	0.94%
β-phellandrene	0.31%
limonene (d)	0.23%
(E)-β-ocimene	0.14%
α-pinene	0.09%
Sesquiterpene	26.77%
α-caryophyllene	13.73%
β-caryophyllene	5.86%
(E)-β-farnesene	2.73%

Every batch is GC-MS tested by an independent lab. This report is provided for full transparency by Aromatics International.

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δ-cadinene	0.84%
γ-murolene	0.57%
sesquiterpene	0.47%
α-selinene	0.43%
γ-cadinene	0.37%
α-copaene	0.23%
β-cubebene	0.22%
(Z)-α-bergamotene	0.18%
α-farnesene	0.17%
zonarene	0.13%
cadina-3,5-diene	0.13%
ε-cadinene	0.12%
γ-selinene	0.10%
β-selinene	0.09%
α-amorphene	0.09%
cadina-1,4-diene	0.07%
epoxy-6,7-humulene	0.07%
α-cubebene	0.06%
calamenene	0.06%
ylangene	0.05%
Ester	3.28%
2-methylbutyl butyrate	0.85%
methyl 4-decenoate	0.63%
methyl geranate	0.38%
geranyl acetate	0.30%
isobutyl acetate	0.25%
methyl 6-methylheptanoate	0.17%
neryl butyrate	0.15%
2-methylbutyl isobutyrate	0.14%
2-methylbutyl isobutyrate	0.12%

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aliphatic ester	0.09%
2-pentanyl propionate	0.08%
methyl 4-nonenoate	0.07%
hexenyl ester	0.05%
Diterpene	2.16%
geranyl geraniadiene	1.59%
geranylgeraniadiene isomer	0.57%
Ketone	0.91%
terpenic ketone	0.60%
2-undecanone	0.19%
2-dodecanone	0.07%
2-decanone	0.05%
Monoterpenol	0.62%
linalool	0.37%
geraniol	0.17%
3-hexen-1-ol	0.08%
Sesquiterpenol	0.14%
α -muurolol	0.14%
Other	0.10%
2-hexen-1-ol	0.10%
Oxide	0.05%
caryophyllene epoxide	0.05%

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