

Hops Essential Oil Pekko

Humulus lupulus 'Pekko'

Essential Oil

DISTILLATION DATE September 1, 2022	EXTRACTION Steam Distilled	CULTIVATION Conventional	COUNTRY OF ORIGIN USA
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TOP 5 COMPONENTS		of 57 measured
β-myrcene	Monoterpene	43.12%
α-caryophyllene	Sesquiterpene	16.63%
β-caryophyllene	Sesquiterpene	13.99%
δ-cadinene	Sesquiterpene	2.71%
para-camphorene	Other	1.96%

Full composition · 57 components across 9 families

Monoterpene	45.18%
β-myrcene	43.12%
β-pinene	0.99%
β-phellandrene	0.64%
(E)-β-ocimene	0.21%
α-pinene	0.12%
hashishene	0.04%
γ-terpinene	0.03%
terpinolene	0.03%
Sesquiterpene	44.18%
α-caryophyllene	16.63%

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

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β-caryophyllene	13.99%
δ-cadinene	2.71%
γ-murolene	1.77%
γ-cadinene	1.63%
β-copaene	1.27%
α-selinene	0.90%
β-selinene	0.86%
α-panasinsen	0.76%
α-copaene	0.71%
selina-3,7(11)-diene	0.53%
(Z)-cadina-1(6),4-diene	0.53%
(E)-cadina-1,4-diene	0.41%
zonarene	0.33%
α-amorphene	0.28%
α-ylangene	0.22%
β-cadinene	0.18%
germacrene B	0.14%
α-cubebene	0.14%
(Z)-cadina-1(6),4-diene	0.13%
β-elemene	0.06%
Ester	3.09%
methyl 4-decenoate	1.86%
methyl octanoate	0.39%
methyl geranate	0.19%
methyl decanoate	0.16%
(Z)-muurola-4(14),5-diene	0.10%
methyl heptanoate	0.10%
(Z)-muurola-3,5-diene	0.09%
2-methylbutyl isobutyrate	0.07%
isoamyl propionate	0.04%

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(Z)-3-hexenyl acetate	0.04%
isoamyl isobutyrate	0.04%
isobutyl isobutyrate	0.01%
Other	2.69%
para-camphorene	1.96%
46.90 geranyl linalool<e,z->	0.68%
35.49 pentadecen-2-one<6z->	0.04%
octane	0.01%
Sesquiterpenol	0.81%
α-muurolol	0.63%
τ-muurolol	0.11%
(E)-nerolidol	0.04%
1,10-epi-cubenol	0.03%
Ketone	0.58%
2-undecanone	0.33%
2-nonanone	0.25%
Monoterpenol	0.42%
linalool	0.31%
τ-cadinol	0.08%
geraniol	0.03%
Oxide	0.25%
caryophyllene oxide	0.14%
humulene epoxide 2	0.11%
Aldehyde	0.02%
nonanal	0.02%

SPECIFIC GRAVITY @20°C
1.4827

REFRACTIVE INDEX @20°C
0.8585

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