AROMATICS DATA

GC-MS BATCH SUMMARY

Batch UTJ-112

November 15, 2026

Utah Juniper Essential Oil

Juniperus osteosperma

Essential Oil

DISTILLATION DATE	EXTRACTION	CULTIVATION	COUNTRY OF ORIGIN
May 8, 2023	**Steam Distilled**	**Wildcrafted**	**USA**

TOP 5 COMPONENTS

of 86 measured

bornyl acetate	Ester	**15.51%**
α-pinene	Monoterpene	**14.43%**
camphor	Ketone	**9.33%**
sabinene	Monoterpene	**8.86%**
limonene (d)	Monoterpene	**8.41%**

Full composition · 86 components across 12 families

Monoterpene	**53.60%**
α-pinene	14.43%
sabinene	8.86%
limonene (d)	8.41%
γ-terpinene	4.07%
β-myrcene	2.78%
α-terpinene	2.77%
p-cymene	2.58%
tricyclene	2.52%
camphene	2.28%
α-thujene	1.56%

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/utah-juniper-essential-oil#batch=UTJ-112

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isoterpinolene	1.48%
α-phellandrene	0.65%
β-pinene	0.43%
(E)-β-ocimene	0.43%
δ-3-carene	0.12%
p-mentha-1,3,8-triene · para-menthatriene	0.08%
(Z)-β-ocimene	0.04%
verbenene	0.04%
δ-2-carene	0.03%
bornylene	0.02%
m-cymene	0.01%
p-mentha-1,3,8-triene · 1,3,8-para-menthatriene	0.01%
Ester	**17.13%**
bornyl acetate	15.51%
camphene hydrate	0.51%
isoamyl isovalerate	0.51%
3-methyl-3-butenyl 3-methylbutanoate	0.35%
methyl geranate	0.14%
methyl citronellate	0.07%
(Z)-muurola-3,5-diene	0.02%
fenchyl acetate	0.02%
Monoterpenol	**12.64%**
terpinen-4-ol	6.74%
borneol	3.32%
α-terpineol	0.59%
(E)-pinocarveol	0.45%
(E)-carveol	0.37%
linalool	0.28%
p-cymen-8-ol	0.18%

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(Z)-p-Menth-2-en-1-ol	0.17%
(E)-p-menth-2-en-1-ol	0.16%
(E)-sabinene hydrate	0.13%
(Z)-carveol	0.09%
citronellol	0.07%
(E)-piperitol	0.04%
isoborneol	0.03%
(E)-p-mentha-2,8-dien-1-ol	0.02%
Ketone	**10.97%**
camphor	9.33%
thuja-2,4(10)-diene	0.47%
verbenone	0.40%
carvone	0.33%
sabina ketone	0.26%
6-methyl-5-hepten-2-one	0.11%
cryptone	0.06%
piperitone	0.01%
Sesquiterpenol	**1.48%**
elemol	1.08%
α-eudesmol	0.24%
γ-eudesmol	0.11%
α-muurolol	0.05%
Aldehyde	**0.87%**
α-campholene aldehyde	0.26%
myrtenal	0.21%
phellandral	0.20%
cuminal	0.11%
isoneral	0.09%

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Other	**0.77%**
para-mentha-1,4,-dien-7-ol	0.23%
dehydro-p-cymene	0.22%
isobornyl propanoate	0.15%
neoiso-verbanol acetate	0.06%
4-isopropylbenzyl alcohol	0.06%
ethyl dodecanoate	0.02%
toluene	0.02%
1-tetradecene	0.01%
Sesquiterpene	**0.51%**
δ-cadinene	0.25%
γ-cadinene	0.05%
β-caryophyllene	0.04%
α-caryophyllene	0.04%
(Z)-cadina-1(6),4-diene	0.03%
γ-elemene	0.03%
thujopsene	0.02%
γ-muurolene	0.02%
germacrene D	0.02%
β-elemene	0.01%
Oxide	**0.10%**
(E)-limonene oxide	0.06%
caryophyllene oxide	0.03%
humulene epoxide 2	0.01%
Furan	**0.08%**
perillene	0.08%
Phenol	**0.07%**
carvacrol	0.07%

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Ether	**0.01%**
methyl thymol	0.01%

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