AROMATICS DATA

GC-MS BATCH SUMMARY

Batch HEC-119

November 20, 2026

Helichrysum italicum Essential Oil (Corsica)

Helichrysum italicum

Essential Oil

DISTILLATION DATE	EXTRACTION	CULTIVATION	COUNTRY OF ORIGIN
July 22, 2022	Steam Distilled	Wildcrafted	Corsica

TOP 5 COMPONENTS

of 124 measured

neryl acetate	Ester	**24.15%**
γ-curcumene	Sesquiterpene	**8.94%**
ar-curcumene	Sesquiterpene	**5.68%**
neryl propanoate	Other	**5.50%**
nerol	Monoterpenol	**4.52%**

Full composition · 124 components across 11 families

Sesquiterpene	**29.33%**
γ-curcumene	8.94%
ar-curcumene	5.68%
isoitalicene	3.74%
β-caryophyllene	2.65%
(E)-β-farnesene	1.06%
2-epi-α-funebrene	1.02%
β-selinene	0.78%
isocaryophyllene	0.69%
β-curcumene	0.58%
10-epi-β-acoradiene	0.55%

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/helichrysum-corsica-essential-oil#batch=HEC-119

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α-acoradiene	0.53%
(Z)-α-bergamotene	0.53%
γ-elemene	0.47%
α-zingiberene	0.36%
(E)-α-bergamotene	0.31%
β-gurjunene	0.25%
α-selinene	0.23%
amorpha-4,11-diene	0.21%
δ-cadinene	0.18%
α-bulnesene	0.14%
italicene	0.14%
β-bisabolene	0.11%
(E)-α-bisabolene	0.08%
(E)-γ-bisabolene	0.06%
β-sesquiphellandrene	0.02%
(Z)-hex-3-en-1-ol	0.02%
Ester	**29.10%**
neryl acetate	24.15%
linalyl acetate	2.17%
isoamyl angelate	1.11%
lavandulyl acetate	0.37%
geranyl isovalerate	0.24%
2-methylbutyl 2-methylbutyrate	0.24%
geranyl acetate	0.18%
isobutyl angelate	0.17%
(Z)-carvyl acetate	0.11%
neryl formate	0.09%
1-octen-3-yl acetate	0.06%
isobutyl tiglate	0.05%
isobutyl 2-methylbutyrate	0.05%

geranyl propionate	0.04%
hexyl acetate	0.04%
α-terpinyl acetate	0.02%
isobornyl acetate	0.01%
Monoterpenol	**10.63%**
nerol	4.52%
linalool	4.17%
α-terpineol	0.72%
terpinen-4-ol	0.68%
2-nonanol	0.23%
lavandulol	0.12%
borneol	0.11%
fenchol	0.05%
p-cymen-8-ol	0.03%
Monoterpene	**8.12%**
limonene (d)	3.83%
α-pinene	1.67%
β-pinene	0.51%
α-fenchene	0.39%
p-cymene	0.35%
γ-terpinene	0.32%
(E)-β-ocimene	0.24%
β-myrcene	0.20%
(Z)-β-ocimene	0.14%
terpinolene	0.13%
camphene	0.12%
δ-2-carene	0.09%
alloocimene	0.05%
sabinene	0.04%

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bornylene	0.03%
α-thujene	0.01%
Other	**7.32%**
neryl propanoate	5.50%
italidione iii isomer	0.47%
neryl isovalerate	0.43%
(2Z)-octene	0.19%
tridecane	0.19%
2-methyloctane	0.18%
eremoligenol	0.07%
(E)-nerolidyl isobutyrate	0.05%
hexadecane	0.04%
dodecane	0.04%
nonadecane	0.03%
6-Methylhept-5-en-2-ol	0.03%
1-hexanol	0.03%
nonane	0.02%
dehydro-p-cymene	0.01%
2-hexanol	0.01%
perillyl alcohol	0.01%
tricosane	0.01%
nonacosane	0.01%
Sesquiterpenol	**5.62%**
rosifoliol	2.22%
β-eudesmol	1.30%
guaiol	0.95%
γ-eudesmol	0.35%
bulnesol	0.18%
β-bisabolol	0.15%

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α-muurolol	0.15%
α-bisabolol	0.09%
(E)-nerolidol	0.07%
10-epi-γ-eudesmol	0.06%
hinesol	0.05%
3-octanol	0.02%
1-octen-3-ol	0.01%
(Z,E)-α-bergamotol	0.01%
(E)-myrtanol	0.01%
Ketone	**3.92%**
italidione 3	1.71%
italidione isomer	1.11%
4-methyl-3-hexanone	0.34%
2-nonanone	0.27%
italidione 1	0.22%
2-undecanone	0.15%
3-octanone	0.06%
cryptone	0.04%
camphor	0.02%
italidione 2	0.00%
Oxide	**0.89%**
1,8-cineole	0.49%
caryophyllene oxide	0.30%
(Z)-dehydroxylinalool oxide	0.08%
linalool (Z)-oxide	0.02%
Dione	**0.51%**
3,5-dimethyloctane-4,6-dione	0.51%
Aldehyde	**0.19%**
neral	0.09%

geranial	0.06%
perillaldehyde	0.02%
decane	0.01%
cuminal	0.01%
Phenol	**0.05%**
eugenol	0.03%
methyl-p-cresol	0.02%

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