AROMATICS DATA

GC-MS BATCH SUMMARY

Batch HLY-120

October 31, 2026

Helichrysum italicum Essential Oil (Croatia)

Helichrysum italicum

Essential Oil

DISTILLATION DATE	EXTRACTION	CULTIVATION	COUNTRY OF ORIGIN
July 28, 2025	Steam Distilled	Organically Grown	Croatia

TOP 5 COMPONENTS

of 87 measured

neryl acetate	Ester	**16.48%**
γ-curcumene	Sesquiterpene	**12.93%**
α-pinene	Monoterpene	**9.52%**
β-caryophyllene	Sesquiterpene	**5.96%**
β-selinene	Sesquiterpene	**5.72%**

Full composition · 87 components across 10 families

Sesquiterpene	**45.73%**
γ-curcumene	12.93%
β-caryophyllene	5.96%
β-selinene	5.72%
italicene	4.68%
α-selinene	3.88%
ar-curcumene	3.26%
2-epi-α-funebrene	1.99%
(Z)-α-bergamotene	1.52%
γ-selinene	1.42%
β-curcumene	0.90%

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-croatia-essential-oil#batch=HLY-120

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γ-cadinene	0.51%
10-epi-β-acoradiene	0.43%
β-cadinene	0.33%
(E)-β-farnesene	0.33%
β-bisabolene	0.21%
α-ylangene	0.20%
italicene · italicene ether	0.18%
γ-muurolene	0.18%
isoledene	0.18%
6,9-guaiadiene	0.16%
(E)-γ-bisabolene	0.15%
amorpha-4,11-diene	0.15%
(E)-α-bisabolene	0.12%
zonarene	0.09%
allo-aromadendrene	0.09%
β-elemene	0.07%
α-calacorene	0.05%
β-sesquiphellandrene	0.04%
Ester	**22.51%**
neryl acetate	16.48%
neryl propionate	4.18%
isoamyl angelate	0.71%
geranyl caproate	0.33%
geranyl isovalerate	0.32%
isobutyl angelate	0.17%
geranyl tiglate	0.17%
2-methylbutyl 2-methylbutyrate	0.12%
isobutyl 2-methylbutyrate	0.03%

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Monoterpene	**15.63%**
α-pinene	9.52%
limonene (d)	3.60%
β-pinene	0.57%
γ-terpinene	0.51%
α-fenchene	0.40%
p-cymene	0.21%
α-terpinene	0.20%
terpinolene	0.17%
(E)-β-ocimene	0.13%
camphene	0.13%
β-myrcene	0.12%
α-phellandrene	0.04%
bornylene	0.03%
Ketone	**4.84%**
italidione 1	3.14%
italidione isomer	1.03%
italidione 3	0.62%
2-undecanone	0.05%
Monoterpenol	**3.72%**
nerol	1.87%
linalool	1.07%
α-terpineol	0.34%
terpinen-4-ol	0.31%
borneol	0.05%
fenchol	0.05%
(E)-pinocarveol	0.03%
Other	**2.51%**
italidione ii isomer	1.36%

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32.18 neryl isovalerate	0.49%
italidione iii isomer	0.28%
undecane	0.12%
27.63 aristolochene<4,5-di-epi->	0.09%
3.45 octene<2e->	0.06%
phytone	0.05%
tridecane	0.04%
nonane	0.02%
Sesquiterpenol	**2.19%**
rosifoliol	0.65%
selin-11-en-4-ol	0.35%
α-muurolol	0.22%
guaiol	0.19%
β-eudesmol	0.18%
longiborneol	0.16%
junenol	0.13%
β-bisabolol	0.13%
γ-eudesmol	0.12%
(E)-nerolidol	0.03%
α-bisabolol	0.03%
Oxide	**0.68%**
1,8-cineole	0.49%
caryophyllene oxide	0.19%
Dione	**0.28%**
3,5-dimethyloctane-4,6-dione	0.28%
Aldehyde	**0.22%**
nonanal	0.10%
decanal	0.09%
pentadecanal	0.03%

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