AROMATICS DATA

GC-MS BATCH SUMMARY

Batch GCN-114

October 31, 2026

Chamomile German Essential Oil (Nepal)

Matricaria chamomilla (syn. Matricaria recutita)

Essential Oil

DISTILLATION DATE	EXTRACTION	CULTIVATION	COUNTRY OF ORIGIN
April 5, 2024	Steam Distilled	Organically Grown	Nepal

TOP 5 COMPONENTS

of 116 measured

(E)-β-farnesene	Sesquiterpene	**30.14%**
α-bisabolol oxide A	Oxide	**12.55%**
(E,E)-α-farnesene	Sesquiterpene	**7.76%**
squalene	Sesquiterpene	**4.11%**
α-bisabolol oxide B	Oxide	**3.73%**

Full composition · 116 components across 11 families

Sesquiterpene	**53.97%**
(E)-β-farnesene	30.14%
(E,E)-α-farnesene	7.76%
squalene	4.11%
germacrene D	3.17%
bicyclogermacrene	2.53%
β-caryophyllene	2.40%
δ-elemene	0.88%
α-isocomene	0.44%
β-sesquiphellandrene	0.32%
β-cubebene	0.29%

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/chamomile-german-nepal-essential-oil#batch=GCN-114

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β-elemene	0.27%
β-selinene	0.26%
γ-muurolene	0.25%
δ-cadinene	0.23%
α-copaene	0.14%
β-copaene	0.14%
modhephene	0.13%
α-cubebene	0.10%
aromadendrene	0.10%
δ-amorphene	0.05%
(E)-α-bergamotene	0.04%
(Z)-cadina-1(6),4-diene	0.04%
β-bourbonene	0.04%
α-gurjunene	0.04%
γ-cadinene	0.03%
(E)-α-bisabolene	0.03%
α-cadinene	0.02%
α-ylangene	0.01%
β-cedrene	0.01%
Oxide	**16.53%**
α-bisabolol oxide A	12.55%
α-bisabolol oxide B	3.73%
caryophyllene oxide	0.14%
1,8-cineole	0.11%
Other	**14.02%**
cis-spiro ether	3.62%
α-bisabolone oxide	2.48%
35.16 ageratochromene	2.23%
tetraprenol	2.15%

chamazulene	0.49%
phytone	0.48%
dendrolasin	0.39%
pentacosane	0.37%
trans-spiro ether	0.36%
heptacosane	0.19%
34.25 cadin-4-en-7-ol<cis->	0.19%
tricosane	0.14%
33.20 atlantol<β->	0.09%
fokienol	0.09%
nonacosane	0.09%
2-methylbutyric acid	0.08%
35.80 andro encecalinol	0.08%
5,6-dihydrochamazulene	0.06%
34.68 desmethoxy encecalin	0.06%
hexacosane	0.06%
propyl2-methylbutyrate	0.05%
36.13 farnesal<2z, 6z->	0.04%
palmitic acid	0.04%
tetracosane	0.04%
benzyl isovalerate	0.03%
linoleic acid	0.03%
16.73 methyl-(2e)-nonenoate	0.02%
heneicosane	0.02%
11.30 hexenyl propionate<3z->	0.01%
11.65 hexenyl propanoate<2e->	0.01%
trans-hex-2-en-1-yl isovalerate	0.01%
docosane	0.01%
3,6-dihydrochamazulene	0.01%

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Monoterpene	**2.56%**
precocene 1	1.32%
(E)-β-ocimene	0.70%
p-cymene	0.11%
(Z)-β-ocimene	0.10%
limonene (d)	0.09%
α-pinene	0.06%
camphene	0.06%
sabinene	0.03%
β-pinene	0.03%
α-phellandrene	0.02%
alloocimene	0.02%
δ-2-carene	0.01%
terpinolene	0.01%
Sesquiterpenol	**2.43%**
α-bisabolol	1.17%
spathulenol	0.63%
globulol	0.27%
dehydrosesquicineole	0.11%
α-muurolol	0.11%
viridiflorol	0.09%
(Z)-nerolidol	0.05%
Ketone	**0.59%**
artemisia ketone	0.55%
6-methyl-5-hepten-2-one	0.04%
Monoterpenol	**0.51%**
τ-cadinol	0.27%
artemisia alcohol	0.05%
citronellol	0.05%

geranyl linalool	0.04%
yomogi alcohol	0.03%
borneol	0.03%
linalool	0.02%
terpinen-4-ol	0.01%
α-terpineol	0.01%
Ester	**0.36%**
geranyl isovalerate	0.13%
bornyl acetate	0.05%
(Z)-3-hexenyl isovalerate	0.04%
benzyl benzoate	0.03%
eugenyl acetate	0.02%
artemisyl acetate	0.02%
neryl acetate	0.02%
methyl palmitate	0.02%
ethyl isovalerate	0.01%
2-methylbutyl 2-methylbutyrate	0.01%
hexyl isovalerate	0.01%
Diterpenol	**0.29%**
phytol	0.29%
Aldehyde	**0.29%**
pentadecanal	0.20%
nonanal	0.04%
octanal	0.02%
decanal	0.01%
neral	0.01%
geranial	0.01%
Furan	**0.08%**
2-pentylfuran	0.08%