AROMATICS DATA

GC-MS BATCH SUMMARY

**Batch GCN-114**

November 20, 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% |
| β-copaene | 0.14% |
| α-copaene | 0.14% |
| modhephene | 0.13% |
| α-cubebene | 0.10% |
| aromadendrene | 0.10% |
| δ-amorphene | 0.05% |
| (E)-α-bergamotene | 0.04% |
| β-bourbonene | 0.04% |
| α-gurjunene | 0.04% |
| (Z)-cadina-1(6),4-diene | 0.04% |
| γ-cadinene | 0.03% |
| (E)-α-bisabolene | 0.03% |
| α-cadinene | 0.02% |
| β-cedrene | 0.01% |
| α-ylangene | 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% |
| ageratochromene | 2.23% |
| tetraprenol | 2.15% |


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

| | |
|---|---|
| **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% |
| α-muurolol | 0.11% |
| dehydrosesquicineole | 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% |
| citronellol | 0.05% |
| artemisia alcohol | 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% |
| artemisyl acetate | 0.02% |
| neryl acetate | 0.02% |
| eugenyl acetate | 0.02% |
| methyl palmitate | 0.02% |
| hexyl isovalerate | 0.01% |
| ethyl isovalerate | 0.01% |
| 2-methylbutyl 2-methylbutyrate | 0.01% |
| **Diterpenol** | **0.29%** |
| phytol | 0.29% |
| **Aldehyde** | **0.29%** |
| pentadecanal | 0.20% |
| nonanal | 0.04% |
| octanal | 0.02% |
| neral | 0.01% |
| geranial | 0.01% |
| decanal | 0.01% |
| **Furan** | **0.08%** |
| 2-pentylfuran | 0.08% |


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