

# Chamomile German Essential Oil (Nepal)

*Matricaria chamomilla (syn. Matricaria recutita)*

Essential Oil

|                                           |                                      |                                         |                                   |
|-------------------------------------------|--------------------------------------|-----------------------------------------|-----------------------------------|
| DISTILLATION DATE<br><b>April 5, 2024</b> | EXTRACTION<br><b>Steam Distilled</b> | CULTIVATION<br><b>Organically Grown</b> | COUNTRY OF ORIGIN<br><b>Nepal</b> |
|-------------------------------------------|--------------------------------------|-----------------------------------------|-----------------------------------|

| 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

|                      |               |
|----------------------|---------------|
| <b>Sesquiterpene</b> | <b>53.97%</b> |
| (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.

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|                        |               |
|------------------------|---------------|
| β-elemene              | 0.27%         |
| β-selinene             | 0.26%         |
| γ-murolene             | 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%         |
| β-bourbonene           | 0.04%         |
| α-gurjunene            | 0.04%         |
| (E)-α-bergamotene      | 0.04%         |
| (Z)-cadin-1(6),4-diene | 0.04%         |
| γ-cadinene             | 0.03%         |
| (E)-α-bisabolene       | 0.03%         |
| α-cadinene             | 0.02%         |
| α-ylangene             | 0.01%         |
| β-cedrene              | 0.01%         |
| <b>Oxide</b>           | <b>16.53%</b> |
| α-bisabolol oxide A    | 12.55%        |
| α-bisabolol oxide B    | 3.73%         |
| caryophyllene oxide    | 0.14%         |
| 1,8-cineole            | 0.11%         |
| <b>Other</b>           | <b>14.02%</b> |
| cis-spiro ether        | 3.62%         |
| α-bisabolone oxide     | 2.48%         |
| 35.16 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% |
| 34.25 cadin-4-en-7-ol<cis->     | 0.19% |
| heptacosane                     | 0.19% |
| tricosane                       | 0.14% |
| fokienol                        | 0.09% |
| 33.20 atlantol<β->              | 0.09% |
| nonacosane                      | 0.09% |
| 2-methylbutyric acid            | 0.08% |
| 35.80 andro encecalinol         | 0.08% |
| 5,6-dihydrochamazulene          | 0.06% |
| 34.68 desmethoxy enecalin       | 0.06% |
| hexacosane                      | 0.06% |
| propyl 2-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% |
| 3,6-dihydrochamazulene          | 0.01% |
| docosane                        | 0.01% |

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|                         |              |
|-------------------------|--------------|
| <b>Monoterpene</b>      | <b>2.56%</b> |
| precocene 1             | 1.32%        |
| (E)- $\beta$ -ocimene   | 0.70%        |
| p-cymene                | 0.11%        |
| (Z)- $\beta$ -ocimene   | 0.10%        |
| limonene (d)            | 0.09%        |
| $\alpha$ -pinene        | 0.06%        |
| camphene                | 0.06%        |
| sabinene                | 0.03%        |
| $\beta$ -pinene         | 0.03%        |
| $\alpha$ -phellandrene  | 0.02%        |
| alloocimene             | 0.02%        |
| $\delta$ -2-carene      | 0.01%        |
| terpinolene             | 0.01%        |
| <b>Sesquiterpenol</b>   | <b>2.43%</b> |
| $\alpha$ -bisabolol     | 1.17%        |
| spathulenol             | 0.63%        |
| globulol                | 0.27%        |
| dehydrosesquicineole    | 0.11%        |
| $\alpha$ -muurolol      | 0.11%        |
| viridiflorol            | 0.09%        |
| (Z)-nerolidol           | 0.05%        |
| <b>Ketone</b>           | <b>0.59%</b> |
| artemisia ketone        | 0.55%        |
| 6-methyl-5-hepten-2-one | 0.04%        |
| <b>Monoterpenol</b>     | <b>0.51%</b> |
| $\tau$ -cadinol         | 0.27%        |
| artemisia alcohol       | 0.05%        |
| citronellol             | 0.05%        |

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|                                |              |
|--------------------------------|--------------|
| geranyl linalool               | 0.04%        |
| yomogi alcohol                 | 0.03%        |
| borneol                        | 0.03%        |
| linalool                       | 0.02%        |
| terpinen-4-ol                  | 0.01%        |
| α-terpineol                    | 0.01%        |
| <b>Ester</b>                   | <b>0.36%</b> |
| 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%        |
| ethyl isovalerate              | 0.01%        |
| 2-methylbutyl 2-methylbutyrate | 0.01%        |
| hexyl isovalerate              | 0.01%        |
| <b>Diterpenol</b>              | <b>0.29%</b> |
| phytol                         | 0.29%        |
| <b>Aldehyde</b>                | <b>0.29%</b> |
| pentadecanal                   | 0.20%        |
| nonanal                        | 0.04%        |
| octanal                        | 0.02%        |
| decanal                        | 0.01%        |
| neral                          | 0.01%        |
| geranial                       | 0.01%        |
| <b>Furan</b>                   | <b>0.08%</b> |
| 2-pentylfuran                  | 0.08%        |

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