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CERTIFICATE OF ANALYSIS (COA)

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|-----------------------|--------------------------------------------------------------------------|
| Product Name | CHAMOMILE ESSENTIAL OIL, GERMAN BLUE |
| Botanical Name | Matricaria chamomilla (synonym Chamomilla recutita, Matricaria recutita) |
| Product Code | PEO1040 |
| CAS # | 8002-66-2 ; 84082-60-0 |
| FEMA # | 2273 |
| EINECS # | 282-006-5 |
| INCI Name | Chamomilla Recutita Flower Oil |

| | |
|---------------------------|-----------|
| Batch # | 10402306 |
| Manufacturing Date | JUNE 2023 |
| Best Before Date | MAY 2025 |

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| Part Used | Flowers |
| Extraction Method | Steam Distilled Essential Oil |
| Quality | 100% Pure and Natural |
| Note Classification | Middle Note |

| <u>PROPERTIES</u> | <u>SPECIFICATIONS</u> | <u>RESULTS</u> |
|--------------------------------|-------------------------------------------------------------------|-----------------------|
| Appearance | Dark blue colored, slightly viscous liquid | CONFORMS |
| Odour | Strong, sweet-warm, rich, herbaceous aroma with fruity undertones | CONFORMS |
| Refractive Index | 1.430 - 1.520 @ 20°C | 1.467 |
| Specific Gravity (g/mL) | 0.910 - 0.965 @ 20°C | 0.944 |
| Solubility | Soluble in alcohols and fixed oils; Insoluble in water | CONFORMS |

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| Comments | Odour quality is excellent |
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| <u>MICROBIAL ANALYSIS</u> | <u>SPECIFICATIONS</u> | <u>STANDARDS</u> | <u>RESULTS</u> |
|-------------------------------------------|-----------------------|------------------|----------------|
| Aerobic Mesophilic Bacterial Count | < 100 CFU/g | ISO 21149 | CONFORMS |
| Yeast and Mould | < 10 CFU/g | ISO 16212 | CONFORMS |
| Candida albicans | ABSENT / 1g | ISO 18416 | CONFORMS |
| Escherichia coli | ABSENT / 1g | ISO 21150 | CONFORMS |
| Pseudomonas aeruginosa | ABSENT / 1g | ISO 22717 | CONFORMS |
| Staphylococcus aureus | ABSENT / 1g | ISO 22718 | CONFORMS |

| <u>HEAVY METAL TESTS</u> | <u>SPECIFICATIONS</u> | <u>STANDARDS</u> | <u>RESULTS</u> |
|-----------------------------------|-----------------------|------------------|----------------|
| Lead: Pb (mg/kg or ppm) | < 10 ppm | na | CONFORMS |
| Arsenic: As (mg/kg or ppm) | < 2 ppm | na | CONFORMS |
| Mercury: Hg (mg/kg or ppm) | < 1 ppm | na | CONFORMS |

STABILITY AND STORAGE:

Keep in tightly closed container in a cool and dry place, protected from sunlight. When stored for more than 36 months, quality should be checked before use.

As it is electronically generated document, hence no signature required.

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