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CERTIFICATE OF ANALYSIS (COA)

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|-----------------------|------------------------------------|
| Product Name | PALMAROSA ESSENTIAL OIL |
| Botanical Name | Cymbopogon martinii |
| Product Code | PEO1122 |
| CAS # | 8014-19-5 ; 84649-81-0 |
| FEMA # | 2831 |
| EINECS # | 294-453-3 ; 283-461-2 |
| INCI Name | Cymbopogon Martini (Palmarosa) Oil |

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|---------------------------|------------|
| Batch # | 11222404 |
| Manufacturing Date | APRIL 2024 |
| Best Before Date | MARCH 2027 |

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

| <u>PROPERTIES</u> | <u>SPECIFICATIONS</u> | <u>RESULTS</u> |
|--------------------------------|--|----------------|
| Appearance | Pale yellow to light brown colored liquid | CONFORMS |
| Odour | Fresh, sweet-grassy, mild rosy aroma | CONFORMS |
| Refractive Index | 1.468 - 1.478 @ 20°C | 1.474 |
| Specific Gravity (g/mL) | 0.879 - 0.894 @ 20°C | 0.885 |
| Optical Rotation (°) | -3° to +6° | CONFORMS |
| 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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