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# CERTIFICATE OF ANALYSIS (COA)

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|---|---|
| **Product Name** | **GUAIACWOOD ESSENTIAL OIL** |
| **Botanical Name** | Bulnesia sarmientoi |
| **Product Code** | PEO1083 |
| **CAS #** | 8016-23-7 ; 89958-10-1 |
| **FEMA #** | 2534 |
| **EINECS #** | 289-632-8 |
| **INCI Name** | Bulnesia Sarmientoi Wood Oil |

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|---|---|
| **Batch #** | 10832404 |
| **Manufacturing Date** | APRIL 2024 |
| **Best Before Date** | MARCH 2027 |

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|---|---|
| **Part Used** | Wood |
| **Extraction Method** | Steam Distilled Essential Oil |
| **Quality** | 100% Pure and Natural |
| **Note Classification** | Base Note |

| PROPERTIES | SPECIFICATIONS | RESULTS |
|---|---|---|
| **Appearance** | Yellow to amber brown colored viscous liquid | CONFORMS |
| **Odour** | Sweet, dry, woody, floral-rosy odour | CONFORMS |
| **Refractive Index** | 1.492 - 1.508 @ 20°C | 1.503 |
| **Specific Gravity (g/mL)** | 0.950 - 0.990 @ 20°C | 0.981 |
| **Optical Rotation (°)** | -12° to -2° | 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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| MICROBIAL ANALYSIS | SPECIFICATIONS | STANDARDS | RESULTS |
|---|---|---|---|
| **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 |

| HEAVY METAL TESTS | SPECIFICATIONS | STANDARDS | RESULTS |
|---|---|---|---|
| **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.

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