



## CERTIFICATE OF ANALYSIS (COA)

|                |                             |
|----------------|-----------------------------|
| Product Name   | AMYRIS ESSENTIAL OIL        |
| Botanical Name | Amyris balsamifera          |
| Product Code   | GF2004                      |
| CAS #          | 8015-65-4 ; 90320-49-3      |
| EINECS #       | 291-076-6                   |
| INCI Name      | Amyris Balsamifera Bark Oil |

|                    |               |
|--------------------|---------------|
| Batch #            | 10042512      |
| Manufacturing Date | DECEMBER 2025 |
| Best Before Date   | NOVEMBER 2028 |

|                     |                                               |
|---------------------|-----------------------------------------------|
| Part Used           | Wood and Branches                             |
| Extraction Method   | Steam Distilled Essential Oil                 |
| Quality             | 100% Pure and Natural                         |
| Note Classification | Base Note, Fixative and Sandalwood substitute |

| <u>PROPERTIES</u>       | <u>SPECIFICATIONS</u>                                        | <u>RESULTS</u> |
|-------------------------|--------------------------------------------------------------|----------------|
| Appearance              | Pale yellow to amber colored, slightly viscous liquid        | CONFORMS       |
| Odour                   | Soft, woody, sweet, balsamic aroma reminiscent of Sandalwood | CONFORMS       |
| Refractive Index        | 1.498 - 1.526 @ 20°C                                         | 1.515          |
| Specific Gravity (g/mL) | 0.945 - 0.978 @ 25°C                                         | 0.963          |
| Optical Rotation (°)    | +15° to +40°                                                 | CONFORMS       |
| Solubility              | Soluble in alcohols and fixed oils; Insoluble in water       | CONFORMS       |

|          |                            |
|----------|----------------------------|
| 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.

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