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## CERTIFICATE OF ANALYSIS (COA)

|                |                       |
|----------------|-----------------------|
| Product Name   | VETIVER GOLD OIL      |
| Botanical Name | Vetivera Zinanoïdes   |
| Product Code   | GF5099                |
| CAS #          | 8016-96-4; 84238-29-9 |

|                    |          |
|--------------------|----------|
| Batch #            | 50992605 |
| Manufacturing Date | May 2026 |
| Best Before Date   | May 2029 |

|                     |                               |
|---------------------|-------------------------------|
| Part Used           | Roots                         |
| Extraction Method   | Steam Distilled Essential Oil |
| Quality             | 100% Pure and Natural         |
| Note Classification | Base Note, Excellent Fixative |

| PROPERTIES                   | SPECIFICATIONS                                    | RESULTS             |
|------------------------------|---------------------------------------------------|---------------------|
| Appearance                   | Transparent, slightly viscous liquid              | Conform to standard |
| Color                        | Brown yellowish to dark brown                     | Conform to standard |
| Odor                         | Clean, sweet, earthy, woody and slightly          | Conform to standard |
| Specific Gravity (20oC)      | 0.980 - 1.038                                     | 0.992               |
| Refractive Index (20oC)      | 1.52 - 1.53                                       | 1.526               |
| Optical Rotation             | +15° to +45°                                      | +27.8°              |
| Beta Vetivenene Content (GC) | 4-9%                                              | 8%                  |
| Khusimol Content (GC)        | 5-11%                                             | 10%                 |
| Beta Vetivone Content (GC)   | 1.5-4%                                            | 3.01%               |
| Alpha Vetivone Content (GC)  | 2-4%                                              | 2.34%               |
| Isovalencenol Content (GC)   | 0.5-7%                                            | 1.33%               |
| Solubility                   | Soluble in alcohol and oils; Not soluble in water | Conform to standard |
| Fatty oil                    | Negative                                          | Negative            |
| D E P                        | 0%                                                | 0%                  |
| D O P                        | 0%                                                | 0%                  |

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