

## **CERTIFICATE OF ANALYSIS**

|                       |                                |
|-----------------------|--------------------------------|
| <b>Product Name</b>   | <b>Lemon Essential Oil</b>     |
| <b>Botanical Name</b> | Citrus limonum                 |
| <b>Product Code</b>   | PEO1097                        |
| <b>CAS #</b>          | 8008-56-8 ; 84929-31-7         |
| <b>INCI Name</b>      | Citrus Medica Limonum Peel Oil |

|                           |               |
|---------------------------|---------------|
| <b>Batch #</b>            | 10972603      |
| <b>Manufacturing Date</b> | MARCH 2026    |
| <b>Best Before Date</b>   | FEBRUARY 2028 |

|                          |                            |
|--------------------------|----------------------------|
| <b>Part Used</b>         | Peels                      |
| <b>Extraction Method</b> | Cold Pressed Essential Oil |
| <b>Quality</b>           | 100% Pure and Natural      |

| <b><u>PROPERTIES</u></b>       | <b><u>SPECIFICATIONS</u></b>                              | <b><u>RESULTS</u></b> |
|--------------------------------|-----------------------------------------------------------|-----------------------|
| <b>Appearance</b>              | Pale yellow to slightly greenish yellow colored liquid    | CONFORMS              |
| <b>Odour</b>                   | Intense, lemon-fresh, zesty, tangy odour                  | CONFORMS              |
| <b>Refractive Index</b>        | 1.447 - 1.491 @ 20°C                                      | 1.467                 |
| <b>Specific Gravity (g/mL)</b> | 0.849 - 0.860 @ 20°C                                      | 0.853                 |
| <b>Optical Rotation (°)</b>    | +55° to +66°                                              | CONFORMS              |
| <b>Solubility</b>              | Soluble in alcohols and fixed oils;<br>Insoluble in water | CONFORMS              |

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

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