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## **CERTIFICATE OF ANALYSIS (COA)**

<b>Product Name</b>	<b>ORANGE ESSENTIAL OIL, BLOOD</b>
<b>Botanical Name</b>	Citrus sinensis
<b>Product Code</b>	PEO1119
<b>CAS #</b>	8008-57-9 ; 8028-48-6
<b>FEMA#</b>	2825
<b>EINECS #</b>	232-433-8
<b>INCI Name</b>	Citrus sinensis (Blood Orange) Oil

<b>Batch #</b>	11192408
<b>Manufacturing Date</b>	AUGUST 2024
<b>Best Before Date</b>	JULY 2026

<b>Part Used</b>	Peels
<b>Extraction Method</b>	Cold Pressed Essential Oil
<b>Quality</b>	100% Pure and Natural
<b>Note Classification</b>	Top Note

<b><u>PROPERTIES</u></b>	<b><u>SPECIFICATIONS</u></b>	<b><u>RESULTS</u></b>
<b>Appearance</b>	Yellow orange to deep orange colored liquid	CONFORMS
<b>Odour</b>	Sweet, fresh, rich fruity-aldehydic aroma characteristic of orange	CONFORMS
<b>Refractive Index</b>	1.468 - 1.480 @ 20°C	1.473
<b>Specific Gravity (g/mL)</b>	0.838 - 0.852 @ 20°C	0.846
<b>Optical Rotation (°)</b>	+94° to +102°	CONFORMS
<b>Solubility</b>	Soluble in alcohols and fixed oils; Insoluble in water	CONFORMS

<b>Comments</b>	Odour quality is excellent
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<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

<b><u>HEAVY METAL TESTS</u></b>	<b><u>SPECIFICATIONS</u></b>	<b><u>STANDARDS</u></b>	<b><u>RESULTS</u></b>
<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 24 months, quality should be checked before use.

**As it is electronically generated document, hence no signature required.**

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