

CERTIFICATE OF ANALYSIS (COA)

Product Name	BERGAMOT ESSENTIAL OIL, FCF (BERGAPTEN FREE)
Botanical Name	Citrus aurantium bergamia
Product Code	PEO1017
CAS #	68648-33-9 ; 89957-91-5
FEMA #	2153
EINECS #	289-612-9
INCI Name	Citrus Aurantium Bergamia (Bergamot) Fruit Oil

Batch #	10172303
Manufacturing Date	MARCH 2023
Best Before Date	FEBRUARY 2025

Part Used	Peels
Extraction Method	Steam Distilled Essential Oil
Quality	100% Pure and Natural
Note Classification	Middle to Top Note

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance	Colorless to pale yellow clear, mobile liquid	CONFORMS
Odour	Very fresh, sweet, green-floral, herbaceous aroma	CONFORMS
Refractive Index	1.458 - 1.464 @ 20°C	1.461
Specific Gravity (g/mL)	0.877 - 0.890 @ 20°C	0.886
Optical Rotation (°)	-11° to -7°	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 24 months, quality should be checked before use.

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



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