



## CERTIFICATE OF ANALYSIS (COA)

<b>Product Name</b>	<b>LAUREL BERRY OIL</b>
<b>Botanical Name</b>	Laurus nobilis
<b>CAS #</b>	8007-48-5
<b>INCI Name</b>	Laurus Nobilis Fruit Oil

<b>Batch #</b>	41322304
<b>Manufacturing Date</b>	APRIL 2023
<b>Best Before Date</b>	MARCH 2025

<b>Part Used</b>	Fruits
<b>Quality</b>	100% Pure and Natural

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
<b>Appearance</b>	Pale green to olive green colored thick liquid	CONFORMS
<b>Odour</b>	Characteristic laurel aroma	CONFORMS
<b>Refractive Index</b>	1.460 - 1.480 @ 20°C	1.475
<b>Specific Gravity (g/mL)</b>	0.905 - 0.929 @ 20°C	0.917
<b>Saponification Value (mgKOH/g)</b>	198 - 206	CONFORMS
<b>Peroxide Value (meq O<sub>2</sub>/kg)</b>	Less than 5.0	CONFORMS
<b>Iodine Value (g I<sub>2</sub>/100g)</b>	60 - 85	CONFORMS
<b>Moisture (%)</b>	Maximum 0.1	CONFORMS
<b>Essential Oil Content (%)</b>	1.0 – 3.0	1.6
<b>Solubility</b>	Soluble in cosmetic esters and fixed oils; Insoluble in water	CONFORMS

<u>FATTY ACID</u>	<u>C-CHAIN</u>	<u>SPECIFICATIONS (%)</u>	<u>RESULTS (%)</u>
<b>Lauric Acid</b>	C12:0	17.00 – 27.00	21.80
<b>Myristic Acid</b>	C14:0	0.50 – 1.70	1.20
<b>Palmitic Acid</b>	C16:0	12.00 – 20.00	14.60
<b>Stearic Acid</b>	C18:0	1.00 – 3.00	1.20
<b>Oleic Acid</b>	C18:1 (n-9)	30.00 – 41.00	35.90
<b>Linoleic Acid</b>	C18:2 (n-6)	17.20 – 27.10	23.30
<b>Alpha-Linolenic Acid</b>	C18:3 (n-3)	Maximum 2.00	1.10

<u>MICROBIAL ANALYSIS</u>	<u>SPECIFICATIONS</u>	<u>STANDARDS</u>	<u>RESULTS</u>
<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

<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 24 months, quality should be checked before use.

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

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