

CERTIFICATE OF ANALYSIS (COA)

| | |
|----------------|--------------------------|
| Product Name | LAUREL BERRY OIL |
| Botanical Name | Laurus nobilis |
| Product Code | PCO4132 |
| CAS # | 8007-48-5 |
| INCI Name | Laurus Nobilis Fruit Oil |

| | |
|--------------------|-----------|
| Batch # | 41322506 |
| Manufacturing Date | JUNE 2025 |
| Best Before Date | MAY 2027 |

| | |
|-----------|-----------------------|
| Part Used | Fruits |
| Quality | 100% Pure and Natural |

| <u>PROPERTIES</u> | <u>SPECIFICATIONS</u> | <u>RESULTS</u> |
|---|---|----------------|
| Appearance | Pale green to olive green colored thick liquid | CONFORMS |
| Odour | Characteristic laurel aroma | CONFORMS |
| Refractive Index | 1.460 - 1.480 @ 20°C | 1.474 |
| Specific Gravity (g/mL) | 0.905 - 0.929 @ 20°C | 0.918 |
| Saponification Value (mgKOH/g) | 198 - 206 | CONFORMS |
| Peroxide Value (meq O ₂ /kg) | Less than 5.0 | CONFORMS |
| Iodine Value (g I ₂ /100g) | 60 - 85 | CONFORMS |
| Moisture (%) | Maximum 0.1 | CONFORMS |
| Essential Oil Content (%) | 1.0 – 3.0 | 1.7 |
| Solubility | Soluble in cosmetic esters and fixed oils; Insoluble in water | CONFORMS |

Disclaimer & Caution: Please refer to all relevant technical information specific to the product, prior to use. The information contained in this document is obtained from current and reliable sources. Eulenhof Seifen, Erika Hock provides the information contained herein, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the product, including intellectual property rights of third parties. As the ordinary or otherwise use(s) of this product is outside the control of Eulenhof Seifen, Erika Hock no representation or warranty - expressed or implied - is made as to the effect(s) of such use(s), (including damage or injury), or the results obtained. The liability of Eulenhof Seifen, Erika Hock is limited to the value of the goods and does not include any consequential loss. Eulenhof Seifen, Erika Hock shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon. Eulenhof Seifen, Erika Hock shall not be responsible for any damages resulting from the use of or reliance upon this information.

FATTY ACID COMPOSITION:

| <u>FATTY ACID</u> | <u>C-CHAIN</u> | <u>SPECIFICATIONS (%)</u> | <u>RESULTS (%)</u> |
|----------------------|----------------|---------------------------|--------------------|
| Lauric Acid | C12:0 | 17.00 – 27.00 | 21.90 |
| Myristic Acid | C14:0 | 0.50 – 1.70 | 1.20 |
| Palmitic Acid | C16:0 | 12.00 – 20.00 | 14.50 |
| Stearic Acid | C18:0 | 1.00 – 3.00 | 1.20 |
| Oleic Acid | C18:1 (n-9) | 30.00 – 41.00 | 35.80 |
| Linoleic Acid | C18:2 (n-6) | 17.20 – 27.10 | 23.60 |
| Alpha-Linolenic Acid | C18:3 (n-3) | Maximum 2.00 | 1.10 |

| <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.

Disclaimer & Caution: Please refer to all relevant technical information specific to the product, prior to use. The information contained in this document is obtained from current and reliable sources. Eulenhof Seifen, Erika Hock provides the information contained herein, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the product, including intellectual property rights of third parties. As the ordinary or otherwise use(s) of this product is outside the control of Eulenhof Seifen, Erika Hock no representation or warranty - expressed or implied - is made as to the effect(s) of such use(s), (including damage or injury), or the results obtained. The liability of Eulenhof Seifen, Erika Hock is limited to the value of the goods and does not include any consequential loss. Eulenhof Seifen, Erika Hock shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon. Eulenhof Seifen, Erika Hock shall not be responsible for any damages resulting from the use of or reliance upon this information.