

TECHNICAL DATA SHEET

LAUREL BERRY OIL

Yedi Dünya Kağıtçılık Eğitim. Hiz. G. İnş. Ml. Sig. Hur. T. Tar. Hay. Mob. Tic.
İth. İhr. C. Ltd. Şti.

Tax No: 9460247643

Gökçeoğlu Mah. Zübeyde Hanım Cad. No:14A, Kumlu/Hatay, Turkey

Phone: +90 536 475 90 00 | **Email:** contact@gharsoap.com | **Web:** https://
www.gharsoap.com

1. PRODUCT IDENTIFICATION

This product is Laurel Berry Oil obtained from laurel fruits/berries. It is a fixed vegetable oil and is not Laurel Leaf Oil / Bay Laurel Essential Oil obtained from leaves by steam distillation.

Product Name	Laurel Berry Oil
INCI Name	Laurus Nobilis Fruit Oil
Botanical Name	Laurus nobilis L.
CAS Number	8007-48-5
Country of Origin	Turkey
Part Used	Fruits / Berries
Product Type	Fixed Vegetable Oil / Cosmetic Raw Material
Extraction Method	Traditional water/heat extraction, separation, decantation and filtration
Intended Use	Cosmetic raw material, soap making, skin-conditioning formulations

2. PHYSICAL & CHEMICAL PROPERTIES

Parameter	Specification / Typical Range
Appearance	Liquid
Colour	Green to green-brownish
Odour	Characteristic (herbaceous, spicy)
Specific Gravity @ 20°C	0.9000 – 0.9400
Refractive Index @ 20°C	1.4500 – 1.4800
Acid Value	<25 mg KOH/g
Iodine Value (Wijs)	60 – 120
Saponification Value	180 – 220 mg KOH/g
Flash Point	>100°C
Solubility in Water	Insoluble

3. FATTY ACID COMPOSITION

Typical fatty acid profile determined by Gas Chromatography (GC). The fatty acid composition confirms this product's identity as a fixed berry oil, distinguishing it from laurel leaf essential oils.

Fatty Acid	Typical Range (%)
Lauric Acid (C12:0)	10 – 30
Myristic Acid (C14:0)	<2
Palmitic Acid (C16:0)	5 – 25
Stearic Acid (C18:0)	<2
Oleic Acid (C18:1)	30 – 50
Linoleic Acid (C18:2)	11 – 25
Linolenic Acid (C18:3)	<2

Fatty acid composition is typical and may vary depending on harvest season, geographic origin and extraction method. Minor trace compounds may also be present.

4. STORAGE & SHELF LIFE

Shelf Life	24 months (unopened, in original sealed container)
Storage Temperature	5 – 25°C (preferably cool; maximum 30°C)
Light Protection	Store away from direct sunlight
Humidity	Store in dry environment (RH <70%)
Ventilation	Well-ventilated area recommended
Container	Tightly sealed, opaque or amber glass containers preferred
After Opening	Keep tightly closed and use as soon as practical. Actual stability after opening depends on handling and storage conditions.

5. CUSTOMS & TARIFF INFORMATION

Suggested HS/CN Code	1515.90.40
Alternative Code	1515.90.99

Final customs classification should be confirmed by the buyer's customs broker based on end-use and destination country regulations.

6. TYPICAL APPLICATIONS

Application	Indicative Use Level
Cold Process Soap	Typical use level depends on formula
Hot Process Soap	Typical use level depends on formula
Moisturizing Creams	Low to moderate use level
Body Oils	May be used pure or blended
Hair Care Products	Low to moderate use level

These are indicative formulation ranges only and are not regulatory or safety recommendations. Final dosage should be determined by the formulator after compatibility, stability and regulatory checks.

For Technical Support:

Email: contact@gharsoap.com | Phone: +90 536 475 90 00 | Website: <https://www.gharsoap.com>

Disclaimer: The information contained in this Technical Data Sheet is provided in good faith based on current knowledge and typical product specifications. It is not a warranty and does not release the buyer from conducting their own suitability testing and regulatory compliance checks for the intended application.

This document is not a batch-specific Certificate of Analysis. Batch-specific analytical results may be provided separately upon request.

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