



NHR ORGANIC OILS  
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*Product Specification*  
**Organic Oregano Essential Oil**  
*(Origanum vulgare)*

<b>Product name:</b>	OREGANO ESSENTIAL OIL
<b>INCI:</b>	Origanum Vulgare Leaf Oil
<b>CAS number:</b>	8007-11-2
<b>EC number:</b>	616-905-4
<b>FEMA number:</b>	2660
<b>HS Code:</b>	3301 29 41
<b>Food grade:</b>	FDA Regulation: FDA PART 182 -- SUBSTANCES GENERALLY RECOGNIZED AS SAFE Sec. 182.20 Essential oils, oleoresins (solvent-free), and natural extractives (including distillates) IOFI: listed in Part 2 of the IOFI GRL as natural complex substance that has undergone a safety evaluation and have been reviewed and determined to be safe for flavor use in food
<b>COE:</b>	317
<b>Cosmetics grade:</b>	Compliant with Cosmetics regulations; IFRA certificate / Allergens table, etc. available upon request
<b>Quality:</b>	Organic. Organic certificate available upon request
<b>Classification:</b>	Natural substance
<b>Authenticity:</b>	100% pure and natural product
<b>Part of plant used:</b>	Fresh Origanum vulgare flowering plant
<b>Method of manufacture:</b>	Steam distillation

<b>Material safety data sheets:</b>	Available upon request
<b>Certificate of analysis:</b>	Available upon request
<b>Appearance:</b>	Viscous liquid
<b>Colour:</b>	Yellow to reddish brown liquid
<b>Aroma:</b>	Specific of Oregano
<b><u>PHYSICO-CHEMICAL INDICES:</u></b>	
<b>Flash point, °C:</b>	145
<b>Specific gravity (20 °C):</b>	From 0.930 to 0.9710
<b>Refractive index (20 °C):</b>	From 1.500 to 1.5200
<b>Solubility in 80% ethanol (20 °C):</b>	1:1
<b><u>CONTENT OF MACROCOMPOUNDS, % (by Gas – Chromatography):</u></b>	
<b>Cymene</b>	Not more than 16
<b>Thymol</b>	From 0.7 to 6
<b>Carvacrol</b>	From 55 to 80
<b>Beta caryophyllene</b>	From 0.2 to 3
<b>Other terpenes and phenols</b>	From 0.1 to 25
<b>Storage:</b>	Keep in well-sealed containers at 5 – 20 °C, away from sources of heat and direct light.