



NHR ORGANIC OILS  
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*Product Specification*  
**Organic Lavender Essential Oil**  
*(Lavandula angustifolia)*

<b>Product name:</b>	LAVENDER ESSENTIAL OIL
<b>INCI:</b>	Lavandula angustifolia (Lavender) Oil
<b>CAS number:</b>	8000-28-0 / 90063-37-9
<b>EC number:</b>	289-995-2
<b>FEMA number:</b>	2622
<b>REACH Registration number:</b>	01-2120746582-51-0143
<b>HS Code:</b>	33012979
<b>Food grade:</b>	<b>FDA Regulation:</b> FDA PART 182 -- SUBSTANCES GENERALLY RECOGNIZED AS SAFE Sec. 182.20 Essential oils, oleoresins (solvent-free), and natural extractives (including distillates)  <b>IOFI:</b> listed in Part 2 of the IOFI GRL as natural complex substance that have undergone a safety evaluation and have been reviewed and determined to be safe for flavor use in food
<b>COE:</b>	257
<b>Cosmetics grade:</b>	Compliant with Cosmetics regulations; IFRA certificate / Allergens table, etc. available upon request
<b>Classification:</b>	Natural substance
<b>Authenticity:</b>	100% pure and natural product
<b>Part of plant used:</b>	Fresh lavender flowers
<b>Method of manufacture:</b>	Steam distillation
<b>Country of origin:</b>	Bulgaria
<b>Appearance:</b>	Transparent liquid

<b>Colour:</b>	Pale yellow/golden
<b>Aroma:</b>	Pure, rich and dense lavender aroma; fresh, flowery
<b><u>PHYSICO-CHEMICAL INDICES:</u></b>	
<b>Relative density, g/cm<sup>3</sup>:</b>	From 0.879 to 0.888
<b>Refractive index (25 °C):</b>	From 1.4590 to 1.4630
<b>Optical rotation (20 °C), °:</b>	From -10.0 to -6.8
<b>Flash point:</b>	> 90 °C
<b>Solubility in 75% ethanol (V/V):</b>	1:2
<b>Acid value, mg KOH/g:</b>	Not more than 1.0
<b>Ester value, mg KOH/g:</b>	From 110.0 to 150.0
<b>Content of esters such as linalylacetate, %:</b>	From 38.5 to 52.5
<b><u>CONTENT OF MACROCOMPOUNDS, % (by Gas – Chromatography):</u></b>	
<b>Limonene</b>	Max 0.6
<b>1,8 cineole</b>	Max 2.0
<b>Trans β-ocimene</b>	From 2.0 to 5.0
<b>Cis β -ocimene</b>	From 3.0 to 9.0
<b>Camphor</b>	Max 0.6
<b>Linalool</b>	From 22.0 to 34.0
<b>Linalyl acetate</b>	From 30.0 to 42.0
<b>Lavandulyl acetate</b>	From 2.0 to 5.0
<b>Lavandulol</b>	Min 0.3
<b>Terpinen 4-ol</b>	From 2.0 to 5.0
<b>Storage:</b>	Keep in well-sealed containers at 5 – 20 °C, away from sources of heat and direct light.