



## OREGANO ESSENTIAL OIL - TECHNICAL DATA SHEET

### SPECIFICATIONS:

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CAS	84012-24-8
EINECS	281-670-3
FEMA	
BOTANICAL NAME	Origanum Vulgare Hirtum.
INCI NAME	Origanum Vulgare Oil.
ORIGIN	Organic.
PART OF THE PLANT USED	Leaves and flowers.
METHOD OF EXTRACTION	Steam distillation.

### ORGANOLEPTIC PROPERTIES:

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ASPECT	Clear, mobile liquid.
COLOR	Yellow to dark brownish red.
ODOR	Characteristic, aromatic, phenolic with a slightly spicy base.

### PHYSICAL - CHEMICAL PROPERTIES:

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	MIN	MAX
RELATIVE DENSITY at 20 °C (g/ml)	0,930	0,955
REFRACTIVE INDEX at 20 °C	1,500	1,513
OPTICAL ROTATION at 20 °C	-5°	+2°
FLASH POINT (mean value)	65 °C	

Miscibility at 20 °C: It shall not be necessary to use more than 2 volumes of ethanol, 80% to obtain a clear solution with 1 volume of essential oil.



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### STORAGE CONDITIONS:

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Keep the product in its original container well sealed, in a dry and ventilated area and protected from light. Store in accordance with local/national regulations and follow the warnings on the label.

CHEMICAL COMPONENTS (%)	MIN	MAX
$\alpha$ - Thujene	0,2	1,5
$\alpha$ - Pinene	0,2	2,5
Myrcene	0,5	3
$\alpha$ - Terpinene	0,5	2
p - Cymene	4	10
$\gamma$ - Terpinene	3	9
Linalool	traces	3
Terpinene - 4 - ol	0,5	2
Thymol	0,5	5
Carvacrol	60	80
$\beta$ - Caryophyllene	0,5	4

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