



THYME RED ESSENTIAL OIL - TECHNICAL DATA SHEET

SPECIFICATIONS:

CAS	85085-75-2
EINECS	285-397-0
FEMA	3064
REACH	01-2120768771-44-0006
BOTANICAL NAME	Thymus Zygis, L.
INCI NAME	Thymus Zygis Herb Oil.
ORIGIN	Organic.
PART OF THE PLANT USED	Flowers.
METHOD OF EXTRACTION	Steam distillation.

ORGANOLEPTIC PROPERTIES:

ASPECT	Liquid (volatile).
COLOR	Yellow to red.
ODOR	Aromatic, phenolic, slightly spicy.

PHYSICAL - CHEMICAL PROPERTIES:

	<u>MIN</u>	<u>MAX</u>
RELATIVE DENSITY at 20 °C (g/ml)	0,910	0,937
REFRACTIVE INDEX at 20 °C	1,494	1,504
OPTICAL ROTATION at 20 °C	-6°	0°
FLASH POINT (mean value)	60 °C	

Miscibility at 20 °C: It shall not be necessary to use more than 3 volumes of ethanol 80%, to obtain a clear solution with 1 volume of essential oil.



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STORAGE CONDITIONS:

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

CHEMICAL COMPONENTS (%)	MIN	MAX
α - Pinene	0,5	2,5
α - Thujene	0,5	1,5
β - Myrcene	1	2,8
α - Terpinene	0,9	2,6
γ - Terpinene	4	13
Cymene	14	28
Linalool	0,5	6,5
Terpinene - 4 - ol	0,1	2,5
Thymol	35	55
Carvacrol	0,5	5,5
β - Caryophyllene	0,5	4
Trans - Sabinene Hydrate (Thujanol)	-	0,5
Methyl Carvacrol Ether	0,1	1,5

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