



TECHNICAL DATA SHEET

Product: MARJORAM SPAIN ESSENTIAL OIL

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SPECIFICATIONS:

CAS	84837-14-9
EINECS	284-294-8
FEMA	
BOTANICAL NAME	Thymus Mastichina, L.
INCI NAME	Thymus Mastichina Herb Oil.
ORIGIN	Organic.
PART OF THE PLANT USED	Flowers.
METHOD OF EXTRACTION	Steam distillation.

ORGANOLEPTIC PROPERTIES:

ASPECT	Liquid.
COLOR	Almost colorless to pale yellow.
ODOR	Characteristic, cineolic, spicy.

PHYSICAL - CHEMICAL PROPERTIES:

	MIN	MAX
RELATIVE DENSITY at 20 °C (g/ml)	0,890	0,920
REFRACTIVE INDEX at 20 °C	1,460	1,470
OPTICAL ROTATION at 20 °C	-4°	+6°
FLASH POINT (mean value)	59 °C	

Miscibility at 20 °C: It shall not be necessary to use more than 3 volumes of ethanol at 70% to obtain a clear solution with 1 volume of essential oil.

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	1	4,5
β - Pinene	2	5
Limonene	1	6
1,8 - Cineole	30	68
Linalool	3	48
Camphor	0,1	2
δ - Terpineol	0,2	2
Borneol	0,1	1,8
Terpinene - 4 - ol	0,2	1,2
Linalyl Acetate	0,2	4
β - Caryophyllene	0,5	1,5
α - Terpineol	1	5

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