



## MARJORAM SPAIN ESSENTIAL OIL - TECHNICAL DATA SHEET

### 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.



## MARJORAM SPAIN ESSENTIAL OIL - TECHNICAL DATA SHEET

CHEMICAL COMPONENTS (%)	MIN	MAX
$\alpha$ - Pinene	1	4,5
$\beta$ - Pinene	2	5
Limonene	1	6
1,8 - Cineole	30	68
Linalool	3	48
Camphor	0,1	2
$\delta$ - Terpineol	0,2	2
Borneol	0,1	1,8
Terpinene - 4 - ol	0,2	1,2
Linalyl Acetate	0,2	4
$\beta$ - Caryophyllene	0,5	1,5
$\alpha$ - Terpineol	1	5

UNE 84308\_January 2015