



Certificate of Analysis

Marjoram Spain Essential Oil

Specifications

Product:	Marjoram Spain Essential Oil.
Synonyms:	Marjoram, <i>Thymus mastichina</i> , ext.
Plant of origin:	<i>Thymus mastichina</i> L.
Part of the plant:	Flowers.
Method of extraction:	Steam distillation.
CAS:	84837-14-9 / 8016-33-9
EC-No:	284-294-8
FEMA:	-
Registration number (REACH):	Non applicable (Low tonnage Art. 6.1)

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(s)	59 °C	



CAS	Substance	Min (%)	Max (%)
80-56-8	α - Pinene	1.0	4.5
127-91-3	β - Pinene	2.0	5.0
5989-54-8	l - Limonene	1.0	6.0
470-82-6	1,8 - Cineole	30.0	68.0
78-70-6	Linalool	3.0	48.0
76-22-2	Camphor	0.1	2.0
7299-42-5	δ - Terpineol	0.2	2.0
464-45-9	Borneol	0.1	1.8
562-74-3	Terpinene - 4 - ol	0.2	1.2
115-95-7	Linalyl Acetate	0.2	4.0
87-44-5	β - Caryophyllene	0.5	1.5
10482-56-1	α - Terpineol	1.0	5.0

UNE 84308_January 2015

**Our products being 100% pure & natural, one or more values could vary from the theoretical intervals.*

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.