



TECHNICAL DATA SHEET

Product: THYME RED ESSENTIAL OIL

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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:

| | MIN | MAX |
|----------------------------------|-------|-------|
| 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.

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.

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| 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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