

Certificate of Analysis

Product: Thyme White Oil (Spain)
Botanical Name: *Thymus vulgaris*
Origin: Spain
Plant Part used: Flowering aerial parts
Extraction: Steam distilled

Physical data	<u>Specification²</u>	<u>Results</u>
Appearance:	Clear free flowing liquid	Complies
Colour:	Light yellow to yellow-amber	Complies
Odour:	Characteristic	Complies
Specific Gravity at 20°C:	0.9000 to 0.9500	0.9231
Refractive index at 20°C:	1.4900 to 1.5050	1.4999
Optical Rotation:	+5.00 ⁰ to -5.00 ⁰	-1.10 ⁰

Chromatographic Profile

Sample	Component	Specification² Peak Area¹ (%)	Results Peak Area¹ (%)
<i>Thymus vulgaris</i>	b-Myrcene	Trace to 4	1.52
	p-Cymene	15 to 32	21.21
	g-Terpinene	5 to 15	9.36
	Linalool	2 to 10	4.87
	Terpinene-4-ol	Trace to 5	1.00
	Thymol	35 to 55	51.35
	Carvacrol	1 to 9	1.93
	b-Caryophyllene	Trace to 4	1.41