



## GC-MS Analysis

<b>Product Name</b>	<b>Thyme Es.Oil</b>				
<b>Product Type</b>	<b>Essential oil</b>				
<b>Botanical Name</b>	<b><i>Thymus vulgaris</i></b>				
<b>Batch N°</b>	<b>TH2021001B</b>				
<b>Label name</b>	<b>GREEK THYME ORGANIC ESSENTIAL OIL</b>				
<b>Density at 20°C</b>	<b>0.912</b>				
<b>Refractive Index</b>	<b>1.490</b>				
<b>Optical rotation</b>	<b>-4.50°</b>				
<b>Cultivation</b>	<b>Certified Organic</b>				
<b>Production Date</b>	<b>June 2020</b>				
<b>Shelf Life</b>	<b>5 years</b>				
<b>Origin</b>	<b>Greece</b>				
<b>Production</b>	<b>Steam Distillation</b>				
<b>Plant Part</b>	<b>Flowering tops</b>				
Time	Compounds	CAS N°	%	Chemical Family	IFRA 49th Restriction
13.02	Alpha-Pinene	80-56-8	1.27	Monoterpene	
13.14	Alpha-Thujene	2867-05-2	1.99	Monoterpene	
14.08	Camphene	79-92-5	1.00	Monoterpene	
15.98	Beta-Myrcene	123-35-3	2.30	Monoterpene	
16.71	Alpha-Terpinene	99-86-5	1.70	Monoterpene	
20.32	Limonene	138-86-3	0.62	Monoterpene	Cosmetic Allergen
22.15	1,8-Cineole	470-82-6	1.37	Ether	

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vessel  
essential oils

24.06	Gamma-Terpinene	99-85-4	13.70	Monoterpene
30.61	Para-Cymene	99-87-6	26.74	Monoterpene
50.65	Linalool	78-70-6	8.22	Monoterpenic alcohol
57.84	Terpinen-4-ol	562-74-3	0.98	Monoterpenic alcohol
58.92	Beta-caryophyllene	87-44-5	4.93	Sesquiterpene
61.87	Methyl-thymol Ether	1076-56-8	0.48	Ether
63.90	Methyl-carvacrol Ether	6379-73-3	1.03	Ether
68.40	Borneol	507-70-0	1.21	Monoterpenoid
84.09	Thymol	89-83-8	14.69	Monoterpenic phenol
85.46	Carvacrol	499-75-2	10.52	Monoterpenic phenol
Total			92.75	

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