



## GC-MS Analysis

<b>Product Name</b>	<b>Rosemary Es.Oil</b>				
<b>Product Type</b>	<b>Essential oil</b>				
<b>Botanical Name</b>	<b><i>Rosmarinus officinalis</i></b>				
<b>Batch N°</b>	<b>RO2021001B</b>				
<b>Label name</b>	<b>GREEK ROSEMARY ORGANIC ESSENTIAL OIL</b>				
<b>Density at 20°C (g/cm<sup>3</sup>)</b>	<b>0.879</b>				
<b>Refractive index</b>	<b>1.460</b>				
<b>Optical rotation at 20°C</b>	<b>+18.32°</b>				
<b>Cultivation</b>	<b>Certified Organic</b>				
<b>Production Date</b>	<b>August 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>Aerial parts</b>				
Time	Compounds	CAS N°	%	Chemical Family	IFRA 49th Restriction
13.62	Alpha-Pinene	80-56-8	20.66	Monoterpene	
13.84	Alpha-Thujene	2867-05-2	0.31	Monoterpene	
14.58	Camphene	79-92-5	7.96	Monoterpene	
16.54	Verbenene	4080-46-0	0.23	Monoterpene	
19.86	Sabinene	3387-41-5	0.08	Monoterpene	
20.75	Beta-pinene	18172-67-3	4.02	Monoterpene	
22.8	Beta-Myrcene	123-35-3	1.40	Monoterpene	
23.09	Alpha-Phellandrene	99-83-2	2.60	Monoterpene	

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essential oils

24.06	Alpha-terpinene	99-86-5	0.80	Monoterpene
24.78	Para-cymene	99-87-6	1.11	Monoterpene
25.5	Limonene	138-86-3	6.98	Monoterpene Cosmetic Allergen
26.01	1,8-Cineole	470-82-6	19.67	Monoterpenic alcohol
26.16	Gamma-terpinene	99-85-4	1.36	Monoterpene
26.62	Alpha-terpinolene	586-62-9	0.81	Monoterpene
27.42	Linalool	78-70-6	0.45	Monoterpenic alcohol
28.54	Camphor	76-22-2	14.45	Monoterpenic ketone
29.09	Borneol	124-76-5	2.85	Monoterpenic alcohol
30.61	Terpinen-4-ol	562-74-3	1.00	Alcohol
48.6	Alpha-terpineol	98-55-5	1.41	Alcohol
50.54	Verbenone	80-57-9	1.98	Monoterpenic ketone
54.6	Borneol acetate	76-49-3	0.29	Aldehyde
55.88	Alpha-cubene	17699-14-8	2.60	Sesquiterpene
65.04	Beta-caryophyllene	87-44-5	4.38	Sesquiterpene
66.51	Alpha-humulene	6753-98-6	0.58	Sesquiterpene
67.89	Caryophyllene	214-519-7	0.24	Sesquiterpene

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	Oxide			
Total			98.22	

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