



GC-MS Analysis					
<b>Product Name</b>		<b>Peppermint Es.Oil</b>			
<b>Product Type</b>		<b>Essential oil</b>			
<b>Label name</b>		<b>GREEK PEPPERMINT ORGANIC ESSENTIAL OIL</b>			
<b>Botanical Name</b>		<b><i>Mentha piperita</i></b>			
<b>Batch N°</b>		<b>P2021001B</b>			
<b>Density at 20°C (g/cm<sup>3</sup>)</b>		<b>0.896 – 0.908</b>			
<b>Refractive Index</b>		<b>1.460 – 1.464</b>			
<b>Optical rotation at 20°C</b>		<b>-16/+23°</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
21.55	Limonene	138-86-3	2.06	Monoterpene	Cosmetic Allergen
22.53	1,8-Cineole	470-82-6	5.30	Monoterpenic ether	
23.31	3-Octanol	4864-61-3	0.12	Alcohol	
24.65	Sabinene trans-hydrate	546-79-2	0.39	Monoterpenoid	
29.88	Menthone	89-80-5	24.70	Monoterpenic ketone	
30.32	Menthofuran	494-90-6	4.03	Hydrocarbon	
30.43	Isomenthone	491-07-6	4.56	Monoterpenic ketone	

Farmakeika, Neo Risio, Thessaloniki, Greece  
 Tel: +302310463719  
 Email: [info@vessel.gr](mailto:info@vessel.gr)



**vessel**  
essential oils

30.76	Neomenthol	2216-52-6	4.03	Monoterpenic alcohol
31.03	Beta-caryophyllene	87-44-5	2.73	Sesquiterpene
31.45	Menthol	2216-51-5	32.62	Monoterpenic alcohol
35.44	Pulegone	15932-80-6	1.78	Hydrocarbon
38.90	Menthyl Acetate	89-48-5	6.89	Monoterpenic ester
41.27	Germacrene D	23986-74-5	1.47	Monoterpene
<b>Total</b>			<b>90.68</b>	

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