

GC-MS Analysis					
<b>Product Name</b>		<b>Criste Marine (Sea Fennel) Es.Oil</b>			
<b>Product Type</b>		<b>Essential oil</b>			
<b>Label name</b>		<b>GREEK CRISTE MARINE ORGANIC ESSENTIAL OIL</b>			
<b>Botanical Name</b>		<b><i>Crithmum maritimum</i></b>			
<b>Batch N°</b>		<b>CM2023001B</b>			
<b>Density at 20°C (g/cm<sup>3</sup>)</b>		<b>0.875</b>			
<b>Refractive Index</b>		<b>1.475</b>			
<b>Optical rotation at 20°C</b>		<b>+2.3°</b>			
<b>Cultivation</b>		<b>Organic</b>			
<b>Production Date</b>		<b>July 2022</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
13.62	Alpha-Pinene	80-56-8	3.30	Monoterpene	
13.84	Alpha-Thujene	2867-05-2	0.53	Monoterpene	
18.87	Beta-pinene	127-91-3	0.29	Monoterpene	
19.86	Sabinene	3387-41-5	13.10	Monoterpene	
22.8	Beta-Myrcene	123-35-3	1.60	Monoterpene	
23.09	Alpha-Phellandrene	99-83-2	0.65	Monoterpene	



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24.06	Alpha-terpinene	99-86-5	1.60	Monoterpene
25.55	Limonene	138-86-3	16.48	Monoterpene Cosmetic Allergen
26.28	Beta-Phellandrene	555-10-2	12.95	Monoterpene
28.07	Cis-Beta-Ocimene	3338-55-4	5.20	Monoterpene
29.31	Gamma-terpinene	99-85-4	30.39	Monoterpene
29.63	Para-Cymene	99-87-6	3.13	Monoterpene
36.08	Alpha-Terpinolene	586-62-9	0.59	Monoterpene
37.95	Alloocimene	7216-56-0	0.11	Monoterpene
51.39	Trans-para-menth-2-en-1-ol	29803-82-4	0.15	Monoterpenic alcohol
52.06	Carvacrol Methyl Ether	6379-73-3	0.10	Aromatic ether
41.89	Thymol Methyl Ether	1076-56-8	1.80	Monoterpenic Ether
54.25	Terpinen-4-ol	562-74-3	3.39	Monoterpenic alcohol
55.56	Cis-para-menth-2-en-1-ol	29803-82-5	0.06	Monoterpenic alcohol
59.81	Alpha-Terpineol	98-55-5	0.19	Monoterpenic alcohol
61.06	Germacrene D	23986-74-5	0.17	Sesquiterpene
62.56	Bicyclogermacrene	24703-35-3	0.15	Sesquiterpene
85.67	Thymol	89-83-8	0.20	Monoterpenic phenol

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58.56	Dillapiol	484-31-1	0.87	Monoterpenic alcohol
<b>Total</b>			<b>97.00</b>	

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