

GC-MS Analysis					
<b>Product Name</b>		<b>Vitex Es.Oil</b>			
<b>Product Type</b>		<b>Essential oil</b>			
<b>Label name</b>		<b>GREEK VITEX ESSENTIAL OIL</b>			
<b>Botanical Name</b>		<b><i>Agnus castus</i></b>			
<b>Batch N°</b>		<b>VB2023001B</b>			
<b>Density at 20°C (g/cm<sup>3</sup>)</b>		<b>0.910</b>			
<b>Refractive Index</b>		<b>1.470</b>			
<b>Optical rotation at 20°C</b>		<b>+2.2°</b>			
<b>Cultivation</b>		<b>Conventional</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
13.03	Alpha-pinene	80-56-8	9.12	Monoterpene	
13.97	Camphene	79-92-5	0.04	Monoterpene	
14.69	Sabinene	3387-41-5	22.01	Monoterpene	
16.12	Beta-pinene	127-91-3	1.12	Monoterpene	
17.32	Alpha-	99-83-2	0.40	Monoterpene	



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	phellandrene				
17.96	Alpha-terpinene	99-86-5	0.79	Monoterpene	
19.22	Para-cymene	99-87-6	0.81	Monoterpene	
20.36	1,8-Cineole	470-82-6	22.90	Monoterpenic ether	
21.23	Gamma-terpinene	99-85-4	1.15	Monoterpene	
22.76	Beta-myrcene	123-35-3	2.75	Monoterpene	
23.55	Terpinolele	586-62-9	0.37	Sesquiterpene	
25.42	Limonene	5989-27-5	3.42	Monoterpene	Cosmetic Allergen
26.35	Alpha-terpinyl acetate	80-26-2	5.05	Aliphatic ester	
29.18	Trans-Beta Ocimene	3779-61-1	1.10	Monoterpene	
32.56	Citronellyl acetate	67601-05-2	0.25	Aliphatic ester	
34.69	Alpha-guruzene	489-40-7	0.69	Sesquiterpene	
37.69	Alloaromadendrene	25246-27-9	1.30	Sesquiterpene	
40.69	Germacrene D	23986-74-5	0.36	Sesquiterpene	
42.98	Bicyclogermacrene	24703-35-3	3.20	Sesquiterpene	
43.65	Spathulenol	6750-60-3	0.59	Aliphatic alcohol	
45.88	Ledol	577-27-5	0.43	Aliphatic alcohol	
46.37	Cubitene	66723-19-1	0.26	Sesquiterpene	
50.01	Linalool	78-70-6	0.16	Monoterpenic alcohol	Cosmetic

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				Allergen
54.0	Terpinen-4-ol	562-74-3	1.34	Monoterpenic alcohol
54.1	Trans-Beta Caryophyllene	87-44-5	5.79	Sesquiterpene
56.02	Cis-Beta Farnesene	28973-97-9	0.45	Sesquiterpene
57.67	Trans-Beta Farnesene	18794-84-8	6.92	Sesquiterpene
59.83	Alpha-Terpineol	98-55-5	0.78	Monoterpenic alcohol
Total			93.55	

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