



## GC-MS Analysis

<b>Product Name</b>	<b>Juniper Es.Oil</b>				
<b>Product Type</b>	<b>Essential oil</b>				
<b>Botanical Name</b>	<b><i>Juniperus communis</i></b>				
<b>Batch N°</b>	<b>J2023001B</b>				
<b>Label name</b>	<b>GREEK JUNIPER ORGANIC ESSENTIAL OIL</b>				
<b>Density at 20°C (g/cm<sup>3</sup>)</b>	<b>0.860</b>				
<b>Refractive index</b>	<b>1.480</b>				
<b>Optical rotation at 20°C</b>	<b>-1.15°</b>				
<b>Production Date</b>	<b>August 2022</b>				
<b>Shelf Life</b>	<b>5 years</b>				
<b>Origin</b>	<b>Greece</b>				
<b>Cultivation</b>	<b>Wild organic</b>				
<b>Production</b>	<b>Steam Distillation</b>				
<b>Plant Part</b>	<b>Berries</b>				
Time	Compounds	CAS N°	%	Chemical Family	IFRA 49th Restriction
13.62	Alpha-Pinene	80-56-8	26.65	Monoterpene	
19.86	Sabinene	3387-41-5	1.72	Monoterpene	
20.75	Beta-pinene	127-91-3	2.00	Monoterpene	
22.8	Beta-Myrcene	123-35-3	14.77	Monoterpene	
23.09	Alpha-Phellandrene	99-83-2	1.06	Monoterpene	
23.56	3-carene	13466-78-9	14.29	Monoterpene	
24.06	Alpha-terpinene	99-86-5	4.06	Monoterpene	
24.78	Alpha-	99-87-6	5.84	Monoterpene	

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**vessel**  
essential oils

	cymene				
25.5	Limonene	5989-27-5	6.32	Monoterpene	Cosmetic Allergen
26.16	Gamma-terpinene	99-85-4	0.56	Monoterpene	
26.62	Alpha-terpinolene	586-62-9	6.34	Monoterpene	
54.6	Borneol acetate	76-49-3	1.21	Aldehyde	
62.59	Beta-elemene	99-49-0	0.27	Sesquiterpene	Dermal Sens. and Systemic Tox.
65.04	Beta-caryophyllene	87-44-5	0.85	Sesquiterpene	
66.51	Alpha-humulene	6753-98-6	0.66	Sesquiterpene	
68.35	Thymol	89-83-8	1.73	Monoterpenic alcohol	
<b>Total</b>			<b>88.33</b>		

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