



## GC-MS Analysis

<b>Product Name</b>	<b>Mandarin Es.Oil</b>				
<b>Product Type</b>	<b>Essential oil</b>				
<b>Label name</b>	<b>GREEK MANDARIN ORGANIC ESSENTIAL OIL</b>				
<b>Botanical Name</b>	<b><i>Citrus reticulata</i></b>				
<b>Batch N°</b>	<b>MA2023001B</b>				
<b>Density at 20°C (g/cm<sup>3</sup>)</b>	<b>0.850</b>				
<b>Refractive Index</b>	<b>1.475</b>				
<b>Optical rotation at 20°C</b>	<b>+71.85°</b>				
<b>Cultivation</b>	<b>Organic</b>				
<b>Production Date</b>	<b>June 2022</b>				
<b>Shelf Life</b>	<b>3 years</b>				
<b>Origin</b>	<b>Greece</b>				
<b>Production</b>	<b>Cold pressed</b>				
<b>Plant Part</b>	<b>Peels</b>				
Time	Compounds	CAS N°	%	Chemical Family	IFRA 49th Restriction
12.36	Alpha-pinene	80-56-8	0.50	Monoterpene	
13.89	Beta-pinene	127-91-3	0.05	Monoterpene	
19.36	Beta-Myrcene	123-35-3	1.80	Monoterpene	
25.55	Limonene	5989-27-5	71.34	Monoterpene	Cosmetic Allergen
26.01	Gamma terpinene	99-85-4	18.09	Monoterpene	
26.1	Octanal	124-13-0	0.04	Aldehyde	
27.89	Decanal	112-31-2	0.10	Aldehyde	

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**vessel**  
essential oils

56.5	Beta-sinensal	60066-88-8	0.22	Aldehyde
Total			92.14	

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