

GC-MS Analysis					
Product Name		Melissa Es.Oil			
Product Type		Essential oil			
Label name		GREEK MELISSA ORGANIC ESSENTIAL OIL			
Botanical Name		<i>Melissa officinalis</i>			
Batch N°		M2023006B			
Density at 20°C (g/cm³)		0.890			
Refractive Index		1.480			
Optical rotation at 20°C		-20.42°			
Cultivation		Certified organic			
Production Date		June 2022			
Shelf Life		5 years			
Origin		Greece			
Production		Steam Distillation			
Plant Part		Aerial Parts			
Time	Compounds	CAS N°	%	Chemical Family	IFRA 49th Restriction
13.60	Trans-Beta Ocimene	3779-61-1	2.10	Monoterpene	
16.36	6-Methyl-5-Hepten-2-one	110-93-0	1.90	Ketone	
16.98	Isogeranial	55722-59-3	1.48	Monoterpenic Aldehyde	
17.43	Trans-Beta-Farnesene	18794-84-8	0.43	Sesquiterpene	
18.02	Methyl Geranate	1189-09-9	0.65	Monoterpenic Ester	



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18.69	A-Humulene	6753-98-6	1.70	Monoterpene	
20.71	Citronellal	106-23-0	2.10	Aldehyde	Dermal Sens. Ans Systemic Tox.
21.63	Isoneral	72203-97-5	1.05	Aldehyde	Dermal Sens. Ans Systemic Tox.
22.54	Alpha-Copaene	3856-25-5	0.90	Sesquiterpene	
23.23	Linalool	78-70-6	0.60	Monoterpenic alcohol	Cosmetic Allergen
24.34	Trans-Beta-Caryophyllene	87-44-5	21.8	Sesquiterpene	
26.43	Neral	5392-40-5	16.15	Aldehyde	Cosmetic Allergen/S. Toxicity
27.01	Linalyl Acetate	115-95-7	0.46	Monoterpenic Ester	
27.31	Germacrene D	23986-74-5	9.20	Sesquiterpene	
27.73	Geranial	5392-40-5	23.80	Aldehyde	Cosmetic Allergen/S. Toxicity
28.06	Geranyl Acetate	105-87-3	1.81	Monoterpenic Ester	
29.01	Nerol	106-25-2	0.73	Monoterpenic Alcohol	
30.09	Geraniol	106-24-1	1.45	Monoterpenic Alcohol	Cosmetic Allergen
33.90	Caryophyllene epoxide	1139-30-6	0.85	Sesquiterpenoid	

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40.49	Delta-Cadinene	483-76-1	1.14	Sesquiterpene
Total			90.30	

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