

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°		M2020001B			
Density at 20°C (g/cm³)		0.8946			
Refractive Index		1.4886±0.0003			
Optical rotation at 20°C		-21.13°			
Cultivation		Certified organic			
Production Date		July 2019			
Shelf Life		5 years			
Origin		Greece			
Production		Steam Distillation			
Plant Part		Aerial Parts			
Time	Compounds	CAS N°	%	Chemical Family	IFRA 49th Restriction
10.79	Beta-myrcene	123-35-3	0.20	Monoterpene	Cosmetic Allergen
13.60	Trans-Beta Ocimene	3779-61-1	4.04	Monoterpene	
16.36	6-Methyl-5-Hepten-2-one	110-93-0	0.98	Ketone	
19.60	1-Octen-3-ol	3391-86-4	0.21	Monoterpenic alcohol	
20.71	Citronellal	106-23-0	1.41	Aldehyde	
21.63	Isoneral	72203-97-5	0.99	Aldehyde	



vessel
essential oils

22.54	Photocitral A	55253-28-6	0.72	Aldehyde
23.23	Photocitral B	6040-45-5	0.66	Aldehyde
24.34	Beta-Caryophyllene	87-44-5	21.82	Sesquiterpene
26.43	Neral	5392-40-5	14.70	Aldehyde
27.31	Germacrene D	23986-74-5	13.31	Sesquiterpene
28.06	Geranyl Acetate	105-87-3	2.27	Monoterpene
29.01	Nerol	106-25-2	0.51	Alcohol
30.09	Geraniol	106-24-1	1.06	Alcohol
33.90	Caryophyllene epoxide	1139-30-6	0.94	Sesquiterpenoid
40.49	Geranic acid	4698-08-2	0.17	Hydrocarbon
Total			85.05	

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