



GC-MS Analysis					
Product Name		White Fir Es.Oil			
Product Type		Essential oil			
Label name		GREEK WHITE FIR ORGANIC ESSENTIAL OIL			
Botanical Name		<i>Abies alba</i>			
Batch N°		WF2023001B			
Density at 20°C (g/cm³)		0.870			
Refractive Index		1.470			
Optical rotation at 20°C		+31°			
Cultivation		Organic certified			
Production Date		July 2022			
Shelf Life		5 years			
Origin		Greece			
Production		Steam distillation			
Plant Part		Needles and branches			
Time	Compounds	CAS N°	%	Chemical Family	IFRA 49th Restriction
12.43	Alpha-pinene	80-56-8	19.90	Monoterpene	
13.52	Camphene	79-92-5	9.65	Monoterpene	
14.02	Beta-pinene	127-91-3	22.92	Monoterpene	
15.75	Beta-myrcene	123-35-3	1.91	Monoterpene	
20.32	Limonene	5989-27-5	23.27	Monoterpene	Cosmetic Allergen
23.1	Beta-phellandrene	555-10-2	4.72	Sesquiterpene	

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essential oils

26.12	Bornyl acetate	76-49-3	6.12	Monoterpenic ester
30.12	Beta-caryophyllene	87-44-5	3.71	Sesquiterpene
34.18	Alpha-humulene	6753-98-6	1.79	Sesquiterpene
34.80	Alpha-muurolene	10208-80-7	1.69	Sesquiterpene
35.69	Epsilon-Cadinene	27542-04-7	0.92	Sesquiterpenoid
Total			96.60	

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