



GC-MS Analysis

Product Name	Frankincense Emerald Es.Oil				
Product Type	Essential oil				
Label name	FRANKINCENSE EMERALD ORGANIC ESSENTIAL OIL				
Botanical Name	<i>Boswellia carterii</i>				
Batch N°	EF2021001B				
Density at 20°C (g/cm³)	0.871				
Refractive Index	1.472				
Optical rotation at 20°C	-4.56°				
Cultivation	Organic certified				
Production Date	December 2020				
Shelf Life	5 years				
Origin	Somalia				
Production	Steam distillation				
Plant Part	Resin				
Time	Compounds	CAS N°	%	Chemical Family	IFRA 49th Restriction
12.43	Alpha-pinene	80-56-8	26.95	Monoterpene	
13.94	Alpha-thuyene	2867-05-2	16.74	Monoterpene	
14.92	Beta-pinene	127-91-3	0.97	Monoterpene	
15.05	Sabinene	3387-41-5	4.93	Monoterpene	
16.09	Beta-myrcene	123-35-3	3.05	Monoterpene	
17.93	Alpha-phellandrene	99-86-5	0.86	Monoterpene	

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19.32	Limonene	5989-27-5	11.10	Monoterpene	Cosmetic Allergen
24.78	Para-cymene	99-87-6	6.14	Monoterpene	
26.89	Beta-elemene	1443-43-2	0.73	Monoterpene	
30.58	Terpinen-4-ol	562-74-3	1.20	Monoterpenic Alcohol	
31.64	Beta-caryophyllene	87-44-5	2.75	Sesquiterpene	
33.67	Trans-verbenol	1820-09-3	0.94	Pheromone	
46.90	Alpha-humulene	6753-98-6	0.53	Sesquiterpene	
50.97	Trans-sabinol	29606-76-6	0.90	Monoterpenoid	
53.05	Delta-cadinene	483-76-1	0.86	Sesquiterpene	
55.63	Gamma-cadinene	1460-97-5	0.70	Sesquiterpene	
59.02	Epi-cubanol	19912-67-5	0.20	Sesquiterpenoid	
63.47	Cubanol	21284-22-0	0.64	Sesquiterpenoid	
66.01	Caryophyllene epoxide	13877-94-6	1.28	Sesquiterpenoid	
69.04	T-cadinol	5937-11-1	0.80	Sesquiterpenoid alcohol	
71.30	Incensyl acetate	34701-53-6	0.40	Monoterpenic Ester	
72.05	Cembrenol	67814-27-1	0.06	Monocyclic diterpene	
73.06	Incensol	22419-74-5	0.15	Monoterpenic Ester	

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Total			82.88	

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