



GC-MS Analysis

Product Name	Basil Es.Oil		
Product Type	Essential oil		
Label name	GREEK BASIL ORGANIC ESSENTIAL OIL		
Botanical Name	<i>Ocimum basilicum</i>		
Chemotype	<i>Linalool</i>		
Batch N°	BA2022001B		
Density at 20°C (g/cm³)	0.890		
Refractive Index	1.475		
Optical rotation at 20°C	-12.87°		
Cultivation	Organic		
Production Date	September 2021		
Shelf Life	5 years		
Origin	Greece		
Cultivation	Certified organic		
Production	Steam Distillation		
Plant Part	Leaves		
a/a	Compounds	%	IFRA 49th Restriction
1	Alpha-Pinene	0.40	
2	Sabinene	0.35	
3	Beta-Pinene	0.73	
4	Myrcene	0.70	
5	Alpha-Phellandrene	0.02	
6	Alpha-Terpinene	0.05	
7	Limonene	0.30	Cosmetic Allergen

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8	Beta-Phellandrene	0.09
9	1,8-Cineole	7.27
10	E-beta-Ocimene	0.65
11	Linalool	66.06
12	Gamma-terpinene	0.10
13	Trans-sabinene hydrate	0.14
14	Terpinolene	0.13
15	Trans-Linalool oxide	0.10
16	Hotrienol	0.13
17	Epoxyocimene	0.13
18	Camphor	0.36
19	Terpineol isomer	0.10
20	Terpinen-4-ol	0.34
21	Alpha-Terpineol	0.62
22	Methyl chavicol	0.70
23	Octyl acetate	0.18
24	Citronellol	0.13
25	Geraniol	0.12
26	Bornyl acetate	0.76
27	Eugenol	3.32
28	Alpha-copaene	0.10
29	Beta-elemene	1.74
30	Trans-beta bergamotene	3.31

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31	Alpha-guaiene	0.51
32	Trans-Muurola-3,5-diene	0.12
33	Alpha-Humulene	0.52
34	Cis-Cadina-196),4-diene	0.28
35	Germacrene D	2.03
36	Farnesene Isomer	0.21
37	Bicyclogermacrene	0.66
38	Alpha-Bulnesene	0.69
39	Gamma-Cadinene	1.48
40	beta-Sesquiphellandrene	0.13
41	Cubenol	0.26
42	epi-alpha-Cadinol	1.47
Total		97.49

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