



vessel
essential oils

GC-MS Analysis

Product Name	Ginger Es.Oil		
Product Type	Essential oil		
Botanical Name	<i>Zingiber officinale</i>		
Batch N°	GI2023001B		
Label name	GINGER ORGANIC ESSENTIAL OIL FROM MADAGASCAR		
Density at 20°C (g/cm³)	0.880		
Refractive Index at 20°C	1.495		
Optical rotation at 20°C	-37°		
Production Date	September 2022		
Shelf Life	5 Years		
Origin	Madagascar		
Cultivation	Certified organic		
Production	Steam Distillation		
Plant Part	Rhizomes		
a/a	Compounds	%	IFRA 49th Restriction
1	Zingiberene	33.01	
2	Beta-sesquiphellandrene	12.50	
3	Alpha-curcumene	7.86	
4	1,8-Cineol/Beta-phellandrene	6.80	
5	Camphene	5.86	
6	Beta-bisabolene	5.40	
7	Alpha-farnesene	5.30	
8	Alpha-pinene	1.73	

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9	Germacrene D	1.71	
10	Limonene	1.15	Cosmetic Allergen
11	Borneol	0.90	
12	Myrcene	0.87	
13	Beta-cubebene/Beta- elemene	0.70	
14	Alpha-copaene	0.35	
15	Neral	0.30	
16	Geraniol	0.24	Cosmetic Allergen
17	Linalool	0.23	Cosmetic Allergen
18	Beta-pinene	0.23	
19	Geranial	0.22	
20	Undecanon 2	0.22	
21	Geranyl acetate	0.20	
22	Terpinolene	0.20	
23	Citronellol	0.14	Cosmetic Allergen
24	Citronellal	0.09	
25	Camphor	0.07	
Total		86.28	

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