



vessel
essential oils

GC-MS Analysis		Essential Oil	
Product Name		Lemongrass Organic Essential Oil from India	
Product Type		Essential oil	
Botanical Name		<i>Cymbopogon flexuosus</i>	
Batch N°		LG2023001B	
Label name		Lemongrass Organic Essential Oil from India	
Production Date		June 2022	
Shelf Life		5 years	
Origin		India	
Refractive Index		1.490	
Specific gravity (g/mL)		0.890	
Optical rotation (°)		-1.60°	
Cultivation		Organic certified	
Production		Steam Distillation	
Plant Part		Leaves	
RT Time (min)	Compound	%	IFRA 49th Restriction
12.438	Tricyclene	0.12	
13.016	Alpha-pinene	0.19	
13.955	Camphene	0.95	
15.855	6-Methyl hept-5-en-2-one	1.61	
18.759	Limonene	0.93	Cosmetic Allergen
19.151	Cis-beta-ocimene	0.24	
19.851	trans- beta-ocimene	0.16	
21.522	4-Nonanone	1.62	
23.465	Linalool	1.12	Cosmetic Allergen
23.900	Alpha-pinene oxide	0.11	

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26.139	Epiphotocitral A	0.12	
26.859	Trans-chrysanthemal	0.27	
27.097	Citronellal	0.31	
27.727	Isoneral	0.51	Cosmetic Allergen
28.289	Isoborneol	0.13	
28.516	Borneol	0.21	
29.039	Isogeranial	0.96	
30.107	Alpha-terpineol	0.17	
32.101	Nerol	0.11	
32.278	Citronellol	0.28	Cosmetic Allergen
33.141	Neral	31.20	Cosmetic Allergen
33.907	Geraniol	4.80	
35.193	Geranial	39.90	Cosmetic Allergen
42.433	Geranyl acetate	3.70	
43.211	Beta-elemene	0.15	
45.153	Beta-caryophyllene	1.73	
46.734	(E)-Isoeugenol	0.33	Cosmetic Allergen
50.943	Gamma-Cadinene	1.12	
55.039	Caryophyllene oxide	0.40	
Total		93.45	

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