



vessel
essential oils

GC-MS Analysis

Product Name Turmeric Es.Oil

Product Type Essential oil

Botanical Name *Curcuma longa*

Batch N° TU2023001B

Label name TURMERIC ESSENTIAL OIL FROM INDIA

Density at 20°C (g/cm³) 0.910

Refractive Index at 20°C 1.520

Optical rotation at 20°C -2.10°

Production Date July 2022

Shelf Life 5 years

Origin India

Cultivation Conventional

Production Steam Distillation

Plant Part Roots

a/a	Compounds	%	IFRA 49th Restriction
1	Alpha-thujene	0.16	
2	Alpha-pinene	1.20	
3	Camphene	0.20	
4	Alpha-phellandrene	1.67	
5	Para-cymene	0.98	
6	Limonene	0.60	Cosmetic Allergen
7	Beta-phellandrene	0.50	
8	1,8-Cineole	4.85	
9	Alpha-santalene	1.95	

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10	Gamma-elemene	0.34
11	Epi-beta-Santalene	0.80
12	(E)-beta-farnesene	0.94
13	Alpha-humulene	0.28
14	Ar-curcumene	5.98
15	Alpha-zingiberene	5.83
16	Beta-bisabolene	1.94
17	Beta-sesquiphellandrene	8.72
18	(E)-gamma-bisabolene	0.81
19	Selina-3,7(11)-diene	0.73
20	Germacrene B	0.92
21	Zingiberenol	0.59
22	Helifolen-12-alC	0.90
23	Ar-Turmerone	27.90
24	Turmerone	14.83
25	Curlone	13.77
26	Curcuphenol	0.45
27	(E)-alpha-Atlantone	2.03
Total		99.87

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