



**vessel**  
essential oils

GC-MS Analysis			
<b>Product Name</b>		Cardamom Es.Oil	
<b>Product Type</b>		Essential oil	
<b>Botanical Name</b>		<i>Elettaria cardamomum</i>	
<b>Batch N°</b>		CA2023001B	
<b>Label name</b>		CARDAMOM ORGANIC ESSENTIAL OIL FROM GUATEMALA	
<b>Density at 20°C (g/cm<sup>3</sup>)</b>		0.926	
<b>Refractive Index at 20°C</b>		1.463	
<b>Optical rotation at 20°C</b>		+27.8°	
<b>Production Date</b>		June 2022	
<b>Shelf Life</b>		5 years	
<b>Origin</b>		Guatemala	
<b>Cultivation</b>		Certified organic	
<b>Production</b>		Steam Distillation	
<b>Plant Part</b>		Seeds	
a/a	Compounds	%	IFRA 49th Restriction
1	Alpha-pinene	1.72	
2	Sabinene	4.60	
3	Beta-pinene	0.45	
4	Myrcene	2.42	
5	Limonene	2.60	Cosmetic Allergen
6	1,8-Cineole	26.20	
7	Gamma-terpinene	0.41	
8	Linalool	4.47	

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9	Terpinen-4-ol	0.91
10	Alpha-terpineol	1.72
11	Linalyl acetate	6.65
<b>12</b>	Geraniol	1.09
13	Geranial	0.36
14	Beta-terpinyl acetate	0.15
15	Alpha-terpinyl acetate	40.17
16	Geranyl acetate	0.63
17	Beta-selinene	0.11
18	Trans-nerolidol	0.81
<b>Total</b>		<b>95.47</b>

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