

## CERTIFICATE OF ANALYSIS

Organic Essential Oil of Cardamom from Guatemala  
100% pure and natural

Botanical name : *Elettaria cardamomum (L.) Maton*  
 Commercial name : Cardamom  
 Batch number : **2200085**  
 Geographical origin : Guatemala  
 Production date : February 2022

### **Physical and chemical data :**

	<b>Standards</b>	<b>Results of analysis</b>
<b>Appearance</b>	Mobile liquid	Conform
<b>Colour</b>	Colourless to pale yellow	Conform
<b>Odour</b>	Characteristic, strong, spicy	Conform
<b>Specific gravity at 20°C</b>	0.915 to 0.940	0.9190
<b>Refractive index at 20°C</b>	1.460 to 1.470	1.4610
<b>Optical rotation at 20°C</b>	+20° to +45°	+30.50°
<b>Flash point</b>	+50°C to +59°C	

### **Table of components :**

<b>Components</b>	<b>Contents</b>
Sabinene	3.92%
β-myrcene	1.65%
Cineole-1,8 : Eucalyptol	37.10%
Trans-sabinene	0.44%
Linalol	2.42%
Acetate de linalyle	5.84%
α-terpineol	1.47%
Acetate de terpenyle	41.48%
α-pinene	1.57%
Nerolidol	0.67%
<b>TOTAL</b>	<b>96.56%</b>