

## CERTIFICATE OF ANALYSIS

Organic Essential Oil of Ravintsara from Madagascar  
100% pure and natural

Botanical name : *Cinnamomum camphora (L.) J.Presl*  
 Commercial name : Organic Ravintsara  
 Batch number : **1900765**  
 Geographical origin : Madagascar  
 Production date : September 2019

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

	<b>Standards</b>	<b>Results of analysis</b>
<b>Appearance</b>	Fluid and mobile liquid	Conform
<b>Colour</b>	Colourless to light yellow	Conform
<b>Odour</b>	Spicy, sweet, fresh	Conform
<b>Specific gravity at 20°C</b>	0.895 to 0.920	0.9076
<b>Refractive index at 20°C</b>	1.460 to 1.470	1.4651
<b>Optical rotation at 20°C</b>	-25° to -10°	-18.97°
<b>Flash point</b>	+40°C to +55°C	

### **Table of components (1) :**

<b>Components</b>	<b>Contents</b>
α-pinene	5.12%
Camphene	0.16%
β-pinene	3.34%
Sabinene	15.74%
β-myrcene	1.63%
α-terpinene	0.45%
2,3-dehydro-cineole	0.01%
Limonene	0.79%
Cineole-1,8 : Eucalyptol	60.46%
Z-β-ocimene	0.03%
γ-terpinene	0.80%
E-β-ocimene	0.10%
Para-cymene	0.65%
Terpinolene	0.22%
Sabinene Cis-hydrate	0.28%
Linalool	0.19%
Trans-p-menth-2-en-1-ol	0.09%
β-elemene	0.06%
E-β-caryophyllene	0.24%
Terpinene-4-ol	1.82%

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### **Table of components (2) :**

Cis-p-menth-2-en-1-ol	0.05%
<b>Components</b>	<b>Contents</b>
$\alpha$ -humulene	0.93%
$\alpha$ -terpineol	6.00%
$\alpha$ -selinene	0.13%
Bicyclogermacrene	0.14%
$\delta$ -cadinene	0.13%
Trans-piperitol	0.02%
Nerol	0.06%
Caryophyllene Oxide	0.02%
Eugenol	0.01%
<b>TOTAL</b>	<b>99.67%</b>