

CERTIFICATE OF ANALYSIS

Organic Essential Oil of Ginger from India
100% pure and natural

Botanical name : *Zingiber officinale Roscoe*
Commercial name : Organic Ginger
Batch number : **2100122**
Geographical origin : India
Production date : November 2020

Physical and chemical data :

	Standards	Results of analysis
Appearance	Clear and fluid liquid	Conform
Colour	Pale yellow to amber yellow	Conform
Odour	Characteristic of the rhizome, with a spicy, peppered and lemony note	Conform
Specific gravity at 20°C	0.870 to 0.895	0.8720
Refractive index at 20°C	1.480 to 1.500	1.4890
Optical rotation at 20°C	-55° to -10°	- 28.10°
Flash point	+55°C à +65°C	

Table of components (1) :

Components	Contents
α-pinene	1.50%
Camphene	5.10%
γ-terpinene	0.30%
Limonene	2.90%
Cineole-1,8 : Eucalyptol	1.97%
Endo-borneol	0.41%
α-terpinolene	0.18%
Menthatriene	0.16%
Geranial	0.23%
α-copaene	0.56%
β-elemene	0.49%
Aromadendrene	0.22%
Junipene	0.23%
Germacrene D	1.86%
Ar-curcumene	11.94%
Isolongifolene	0.19%
α-muurolene	0.17%
α-zingiberene	30.20%
Calarene	7.64%

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Table of components (2) :

Components	Contents
Farnesene	8.34%
β -bisabolene	7.60%
δ -cadinene	1.64%
β -funebrene	13.24%
Germacrene B	1.89%
γ -muurolene	0.36%
β -cedrene	0.47%
Alloaromadendrene	0.21%
TOTAL	100.00%