

CERTIFICATE OF ANALYSIS

Organic Essential Oil of Lemon from Italy
100% pure and natural

Botanical name : *Citrus limon (L.) Osbeck*
Commercial name : Organic Lemon
Batch number : **2001045**
Geographical origin : Italy
Production date : October 2020

Physical and chemical data :

	Standards	Results of analysis
Appearance	Fluid liquid	Conform
Colour	Light yellow to greenish	Conform
Odour	Fresh, powerful	Conform
Specific gravity at 20°C	0.840 to 0.860	0.850
Refractive index at 20°C	1.465 to 1.490	1.470
Optical rotation at 20°C	+55° to +75°	+ 65.80°
Flash point	+45°C à +59°C	

Table of components (1) :

Components	Contents
α -thuyene	0.29%
α -pinene	1.61%
Camphene	0.06%
Sabinene	1.69%
β -pinene	11.86%
Methyl Heptanone	0.01%
Myrcene	1.42%
Octanal	0.09%
Phellandrene	0.04%
δ -3-carene	0.03%
α -terpinene	0.16%
Limonene	67.6%
Z- β -ocimene	0.04%
E- β -ocimene	0.09%
γ -terpinene	9.65%
Cis-Sabinene Hydrate	0.01%
Octanol	0.01%
Terpinolene	0.28%
Trans-Sabinene Hydrate	0.01%
Linalool	0.09%
Nonanal	0.08%

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Table of components (2) :

Components	Contents
Cis-Limonene Oxide	0.01%
Camphor	0.02%
Isopulegol	0.01%
Citronellal	0.07%
Borneol	0.01%
Nonanol	0.1%
Terpinene-4-ol	0.02%
α -terpineol	0.16%
Decanal	0.03%
Neral	0.96%
Geraniol	0.03%
Geranial	1.51%
Bornyl Acetate	0.01%
Methyl geranoate	0.01%
Citronellyl Acetate	0.02%
Neryl Acetate	0.35%
Geranyl Acetate	0.34%
Dodecanal	0.01%
β -caryophyllene	0.11%
Bergamottene	0.18%
Farnesene	0.02%
α -humulene	0.01%
γ -muurolene	0.01%
Valencene	0.02%
Germacrene D	0.02%
β -bisabolene	0.26%
TOTAL	99.42%