

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 : **2300043**
Geographical origin : Italy
Production date : June 2022

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	0.8502
Refractive index at 20°C	1.465 to 1.490	1.4733
Optical rotation at 20°C	+55° to +75°	+65.02°
Flash point	+45°C à +59°C	

Table of components (1) :

Components	Contents
Alpha-thuyene	0.42%
Alpha-pinene	1.86%
Camphene	0.06%
Sabinene	1.96%
Beta-pinene	12.10%
Methyl heptenone	0.02%
Myrcene	1.54%
Octanal	0.06%
Phellandrene	0.04%
Alpha-terpinene	0.19%
Para-cymene	0.27%
Limonene	67.44%
Z-beta-ocimene	0.05%
E-beta-ocimene	0.11%
Gamma-terpinene	8.98%
Terpinolene	0.32%
Trans-Sabinene Hydrate	0.01%
Linalool	0.08%
Nonanal	0.07%
Cis-Limonene Oxide	0.01%
Citronellal	0.05%

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Table of components (2) :

Components	Contents
Borneol	0.01%
Alpha-terpineol	0.13%
Decanal	0.02%
Cis-carveol	0.04%
Neral	1.01%
Geranial	1.59%
Undecanal	0.01%
Nonyl Acetate	0.01%
Geranoate Methyl	0.02%
Neryl Acetate	0.29%
Geranyl Acetate	0.28%
Bergamotene	0.16%
Alpha-humulene	0.01%
Germacrene D	0.01%
Valencene	0.02%
Bicyclogermacrene	0.02%
Beta-bisabolene	0.23%
TOTAL	99.50%