

CERTIFICATE OF ANALYSIS

Organic Essential Oil of Red Mandarin from Italy
100% pure and natural

Botanical name : *Citrus reticulata Blanco*
Commercial name : Organic Red Mandarin
Batch number : **2200070**
Geographical origin : Italy
Production date : December 2022

Physical and chemical data :

	Standards	Results of analysis
Appearance	Mobile liquid	Conform
Colour	Yellow orangey to red	Conform
Odour	Characteristic, fresh, citric note	Conform
Specific gravity at 20°C	0.840 to 0.870	0.8518
Refractive index at 20°C	1.465 to 1.480	1.4753
Optical rotation at 20°C	+60° to +85°	+ 73.47°
Flash point	+45°C à +55°C	

Table of components (1) :

Components	Contents
α -pinene	2.16%
α -thujene	0.78%
β -pinene	1.37%
Sabinene	0.24%
Myrcene	1.93%
α -terpinene	0.39%
Limonene	73.23%
β -phellandrene	0.2%
γ -terpinene	16.54%
Trans- β -ocimene	0.03%
Para-cymene	0.37%
Terpinolene	0.87%
Octanal	0.09%
Nonanal	0.03%
Trans-sabinene Hydrate	0.02%
Citronellal	0.02%
Decanal	0.08%
Linalool	0.12%
Cis-sabinene Hydrate	0.02%
β -caryophyllene + Terpinene-4-ol	0.1%
α -terpineol	0.18%

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Table of components (2) :

Components	Contents
α-selinene	0.03%
Trans-trans-α-farnesene	0.16%
Methyl Methyl Anthranilate	0.47%
Thymol	0.04%
α-sinensal	0.3%
TOTAL	99.77%