

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 : **2100798**
Geographical origin : Italy
Production date : November 2020

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	0.8514
Refractive index at 20°C	1.465 to 1.480	1.4748
Optical rotation at 20°C	+60° to +85°	+73.55°
Flash point	+45°C à +55°C	

Table of components (1) :

Components	Contents
α-pinene	2,18%
α-thujene	0,75%
Camphene	0,02%
β-pinene	1,40%
Sabinene	0,24%
Myrcene	1,84%
α-terpinene	0,39%
Limonene	72,94%
β-phellandrene	0,20%
γ-terpinene	16,84%
Trans-β-ocimene	0,03%
Para-cymene	0,44%
Terpinolene	0,86%
Octanal	0,12%
Nonanal	0,03%
Trans-Sabinene Hydrate	0,04%
β-caryophyllene + Terpinene-4-ol	0,14%
α-terpineol	0,17%
α-selinene	0,04%
Trans-trans-α-farnesene	0,16%
Methyl Anthranilate	0,44%



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Table of components (2) :

Components	Contents
Thymol	0,05%
α -sinensal	0,33%
TOTAL	99,65%