

CERTIFICATE OF ANALYSIS

Organic Essential Oil of Petitgrain Bigarade from Paraguay
100% pure and natural

Botanical name : *Citrus aurantium L. ssp. Amara var. pumilia*
 Commercial name : Organic Petitgrain Bigarade
 Batch number : **2200149**
 Geographical origin : Paraguay
 Production date : October 2022

Physical and chemical data :

	Standards	Results of analysis
Appearance	Liquid	Conform
Colour	Very pale yellow to brown	Conform
Odour	Characteristic, powerful	Conform
Specific gravity at 20°C	0.880 to 0.895	0.8906
Refractive index at 20°C	1.455 to 1.470	1.4582
Optical rotation at 20°C	-6° to +1°	-3.94°
Flash point	+70°C to +80°C	

Table of components (1) :

Components	Contents
α-pinene	0.11%
β-pinene	1.02%
Sabinene	0.23%
δ-3-carene	0.53%
Myrcene	2.23%
α-terpinene	0.04%
Limonene	0.94%
β-phellandrene	0.05%
Cineole-1.8 : Eucalyptol	0.06%
Z-β-ocimene	0.81%
γ-terpinene	0.05%
E-β-ocimene	2.36%
α-terpinolene	0.48%
Linalool Z-Oxide	0.03%
Linalool	21.47%
Linalyl Acetate	52.49%
β-caryophyllene	0.67%
Terpinene-4-ol	0.09%
α-humulene	0.07%
Neral	0.07%
α-terpineol	5.50%

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Table of components (2) :

Components	Contents
Neryl Acetate	2.33%
Geranyl Acetate	3.91%
Nerol	1.19%
Geraniol	2.94%
Nerolidol	0.05%
TOTAL	99.72%