

CERTIFICATE OF ANALYSIS

Organic Essential Oil of Neroli from Morocco
100% pure and natural

Botanical name : *Citrus aurantium L. ssp. Amara var. pumilia*
Commercial name : Organic Neroli
Batch number : **2100148**
Geographical origin : Morocco
Production date : April 2021

Physical and chemical data :

	Standards	Results of analysis
Appearance	Liquid	Conform
Colour	Pale yellow to amber yellow	Conform
Odour	Flowery, fresh, characteristic	Conform
Specific gravity at 20°C	0.860 to 0.885	0.8732
Refractive index at 20°C	1.460 to 1.480	1.4758
Optical rotation at 20°C	0° to +20°	+10.78°
Flash point	+50°C to +59°C	

Table of components (1) :

Components	Contents
α -thuyene	0.03%
α -pinene	0.62%
Camphene	0.05%
Sabinene	1.21%
β -pinene	9.63%
Myrcene	1.88%
Linalool Trans-dehydroxy-oxide	0.02%
α -terpinene	0.02%
Para-cymene	0.05%
Limonene	19.13%
β -phellandrene	0.21%
Z- β -ocimene	0.67%
E- β -ocimene	7.88%
γ -terpinene	0.07%
Linalool Cis-oxide	0.02%
Linalool	35.81%
E-4,8-dimethylnona-1,3,7-triene	0.01%
Allo-ocimene	0.02%
Trans-sabinol	0.01%
Terpinene-4-ol	0.21%
α -terpineol	2.94%

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Table of components (2) :

Components	Contents
Nerol	0.74%
Linalyl Acetate	2.81%
Geraniol	1.99%
Phenylethyl Acetate	0.02%
Geranial	0.05%
Bornyl Acetate	0.05%
Indole	0.28%
δ-elementene	0.12%
α-terpenyl Acetate	0.15%
Methyl Anthranilate	0.22%
Neryl Acetate	1.44%
Geranyl Acetate	2.90%
β-elementene	0.05%
β-caryophyllene	0.63%
α-trans-bergamotene	0.01%
Neryl acetone	0.06%
E-β-farnesene	0.15%
α-humulene	0.05%
Germacrene D	0.09%
Bicyclogermacrene	0.18%
δ-cadinene	0.01%
E-Nerolidol	3.36%
Caryophyllene Oxide	0.02%
8-Heptadecene	0.04%
(2E,6E)-Farnesol	3.64%
Farnesyl (2E,6E)-Acetate	0.10%
n-Nonadecane	0.02%
n-Eicosane	0.05%
n-Heneicosane	0.03%
Tricosane	0.16%
n-Tetracosane	0.01%
n-Pentacosane	0.04%
TOTAL	99.96%