

## CERTIFICATE OF ANALYSIS

Organic Essential Oil of Crude Eucalyptus globulus from Spain  
100% pure and natural

Botanical name :	<i>Eucalyptus globulus</i> Labill.
Commercial name :	Organic Crude Eucalyptus globulus
Batch number :	2100629
Geographical origin :	Spain
Production date :	June 2022

Physical and chemical data :

	Standards	Results of analysis
Appearance	Mobile liquid	Conform
Colour	Colourless to pale yellow	Conform
Odour	Characteristic, fresh reminding cineol	Conform
Specific gravity at 20° C	0.905 to 0.925	0.9174
Refractive index at 20° C	1.455 to 1.470	1.4665
Optical rotation at 20° C	-5° to +10°	+3.50°
Flash point	+40°C to +50°C	

Table of components (1) :

Components	Contents
$\alpha$ -pinène + $\alpha$ -thujène	13.07%
$\alpha$ -fenchène	0.05%
Camphène	0.15%
$\beta$ -pinène	0.22%
Thuja-2,4(10)-diène	0.06%
Myrcène	0.07%
$\alpha$ -phellandrène	0.18%
$\alpha$ -terpinène	0.04%
Limonène	2.29%
Cinéole-1,8 : Eucalyptol	58.06%
Verbénène	0.08%
$\gamma$ -terpinène	0.19%
Para-cymène	1.48%
Terpinolène	0.22%
Hexan-1-ol	0.01%
Artémiséole	0.03%
$\alpha$ -barbatène	0.12%
Para-cyménène	0.30%
Isolédène	0.06%
Oxyde de trans-linalol	0.02%
$\alpha$ -copaène	0.05%

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Table of components (2) :

Components	Contents
$\alpha$ -campholénal	0.03%
Trans-pinocamphone	0.13%
Cis- $\beta$ -guaiène	0.03%
$\alpha$ -gurjunène	0.22%
$\beta$ -acoradiène	0.04%
Cis-pinocamphone	0.28%
$\alpha$ -bulnésène	0.04%
Pinocarvone	0.72%
Fenchyl alcool	0.15%
Calarène	0.36%
Trans-caryophyllène	0.06%
$\gamma$ -maaliène	0.54%
Aromadendrène	8.32%
$\alpha$ -guaiène	0.10%
$\gamma$ -gurjunène	0.02%
Myrténal	0.05%
$\beta$ -longipénène	0.03%
Alloaromadendrène	1.45%
Acétate de $\delta$ -terpinyle	2.79%
Bornéol	0.18%
Germacrène D	0.02%
Cis-pinocarvéol	0.36%
Lédol	0.37%
Globulol	0.96%
Viridiflorol	0.11%
Cédrol	0.06%
Thymol	0.02%
$\beta$ -eudesmol	0.03%
TOTAL	94.22%