



## GC/MS BATCH NUMBER: E30104

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**ESSENTIAL OIL:** EUCALYPTUS ORGANIC  
**BOTANICAL NAME:** EUCALYPTUS GLOBULUS  
**ORIGIN:** AUSTRALIA

KEY CONSTITUENTS PRESENT IN THIS BATCH OF EUCALYPTUS GLOBULUS ORGANIC OIL	%
1,8-CINEOLE + LIMONENE	89.0
para-CYMENE	4.6
γ-TERPINENE	2.4
α-PINENE	2.0
α-PHELLANDRENE	0.6
β-PINENE	0.4
CAMPHENE	0.02

Comments from Robert Tisserand: Very good odor profile. As far as I can tell from the lab report, this oil does conform to the ISO standard for Australian type Eucalyptus globulus.

**Date :** November 18, 2016

*SAMPLE IDENTIFICATION*

**Internal code :** 16K10-PTH7-1-DM

**Customer identification :** Org Eucalyptus Globulus - Australia - E3010463R

**Type :** Essential oil

**Source :** *Eucalyptus globulus*

**Customer :** Plant Therapy

*ANALYSIS*

**Method :** PC-PA-001-15E06, "Analysis of the composition of a liquid essential oil by GC-FID" (in French).

**Analyst :** Sylvain Mercier, M. Sc., chimiste

**Analysis date :** 2016-11-16

Checked and approved by :

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Alexis St-Gelais, M. Sc., chimiste 2013-174

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*IDENTIFIED COMPOUNDS*

Identification	Column: BP5			Column: WAX			Molecular Class
	R.T.	R.I.	%	%	R.I.	R.T.	
$\alpha$ -Thujene	3.25*	918	0.01				Monoterpene
$\alpha$ -Pinene	3.36*	924	1.95	2.08	940	0.83*	Monoterpene
Camphene	3.64*	941	0.02	0.02	988	1.04*	Monoterpene
Thuja-2,4(10)-diene	3.73*	947	0.01	0.01	1047	1.43*	Monoterpene
$\beta$ -Pinene	4.13*	971	0.35	0.36	1033	1.31*	Monoterpene
Myrcene	4.41*	989	0.54	0.57	1110	1.93*	Monoterpene
$\alpha$ -Phellandrene	4.69*	1004	0.68	0.59	1102	1.87*	Monoterpene
$\alpha$ -Terpinene	4.88*	1015	0.14	0.16	1119	2.02*	Monoterpene
1,8-Cineole	5.27*	1037	93.64	88.95	1150	2.40*	Monoterp. ether
Limonene	5.27*	1037	[93.64]	[88.95]	1150	2.40*	Monoterpene
para-Cymene	5.27*	1037	[93.64]	4.57	1203	3.00*	Monoterpene
<i>trans</i> - $\beta$ -Ocimene	5.47*	1048	0.05	0.03	1196	2.93*	Monoterpene
$\gamma$ -Terpinene	5.66*	1058	2.35	2.30	1183	2.77*	Monoterpene
<i>cis</i> -Linalool oxide (fur.)	5.94*	1073	0.02				Monoterp. alcohol
<b>Total identified</b>			<b>99.76%</b>	<b>99.64%</b>			

\*: Two or more compounds are coeluting on this column

[xx]: Duplicate percentage due to coelutions, not taken account in the identified total

Note: no correction factor was applied

*OTHER DATA*

**Physical aspect :** Clear liquid

**Refractive index :** 1.4605  $\pm$  0.0003 (20 °C)

*CONCLUSION*

No adulterant, contaminant or diluent were detected using this method.



