



PLANT THERAPY
100% PURE ESSENTIAL OILS

GC/MS BATCH NUMBER: E20104

ESSENTIAL OIL: EUCALYPTUS
BOTANICAL NAME: EUCALYPTUS GLOBULUS
ORIGIN: CHINA

KEY CONSTITUENTS PRESENT IN THIS BATCH OF EUCALYPTUS OIL	%
1,8-CINEOLE + LIMONENE	89.9
p-CYMENE	4.4
γ-TERPINENE	1.8
MYRCENE	1.1
α-PHELLANDRENE	1.1
α-PINENE	1.1

Comments from Robert Tisserand: Very nice odor quality. The quantities of 1,8-cineole and limonene cannot be determined from this report. Otherwise, the oil conforms to the ISO standard.

Date : February 23, 2017

SAMPLE IDENTIFICATION

Internal code : 17B06-PTH7-1-DM

Customer identification : Eucalyptus Glob. - China - E2010467R

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 : 2017-02-21

Checked and approved by :

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.	
α-Thujene	3.30	922	tr	1.07	947	1.20*	Monoterpene
α-Pinene	3.40	928	1.12	[1.07]	947	1.20*	Monoterpene
α-Fenchene	3.67	944	tr	tr	988	1.44	Monoterpene
Camphene	3.69	945	0.01	0.01	995	1.50	Monoterpene
Sabinene	4.11	970	0.01	0.01	1057	2.04	Monoterpene
β-Pinene	4.17	974	0.28	0.27	1039	1.87	Monoterpene
Myrcene	4.45	990	1.09	1.00	1115	2.63	Monoterpene
α-Phellandrene	4.72	1006	1.11	1.00	1108	2.55	Monoterpene
α-Terpinene	4.91	1016	0.26	0.26	1122	2.73	Monoterpene
1,8-Cineole	5.31*	1038	94.07	89.90	1156	3.19*	Monoterp. ether
Limonene	5.31*	1038	[94.07]	[89.90]	1156	3.19*	Monoterpene
para-Cymene	5.31*	1038	[94.07]	4.44	1208	3.90	Monoterpene
cis-β-Ocimene	5.33	1039	0.09	1.96	1189	3.61*	Monoterpene
trans-β-Ocimene	5.50	1048	0.04	0.04	1200	3.78	Monoterpene
γ-Terpinene	5.69	1059	1.84	[1.96]	1189	3.61*	Monoterpene
cis-Linalool oxide (fur.)	5.96	1073	tr	tr	1373	6.46	Monoterp. alcohol
Terpinolene	6.15	1084	0.01	0.02	1221	4.09	Monoterpene
trans-Linalool oxide (fur.)	6.33	1094	tr	0.01	1405	7.06	Monoterp. alcohol
trans-Pinocarveol	7.64	1144	0.01				Monoterp. alcohol
Total identified			99.94%	99.99%			

*: 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 : 1.4595 ± 0.0003 (20 °C)

CONCLUSION

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

17B06-PTH7-1-DM_BP5



