

**Date :** September 30, 2016

*SAMPLE IDENTIFICATION*

**Internal code :** 16I23-NGA2-1-SM

**Customer identification :** Ho Wood - China - Batch #CH-0017339

**Type :** Essential oil

**Source :** *Cinnamomum camphora*

**Customer :** Nature's Gift Aromatherapy

*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 :** 2016-09-30

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.	
Myrcene	4.41	988	0.07	0.06	1111	1.95	Monoterpene
$\alpha$ -Terpinene	4.86	1014	tr	tr	1119	2.02	Monoterpene
para-Cymene	5.05	1025	0.03	0.04	1203	3.00	Monoterpene
Limonene	5.09	1026	0.10	0.08	1136	2.22	Monoterpene
1,8-Cineole	5.12	1028	0.01	0.01	1141	2.29	Monoterp. ether
<i>cis</i> - $\beta$ -Ocimene	5.27	1037	0.03	0.03	1182	2.76*	Monoterpene
<i>trans</i> - $\beta$ -Ocimene	5.45	1047	0.06	0.05	1197	2.94	Monoterpene
$\gamma$ -Terpinene	5.64	1057	0.01	[0.03]	1182	2.76*	Monoterpene
<i>cis</i> -Linalool oxide (fur.)	5.94	1073	0.19	0.23	1393	5.66	Monoterp. alcohol
Terpinolene	6.11	1082	0.02	0.02	1220	3.22	Monoterpene
<i>trans</i> -Linalool oxide (fur.)	6.25	1090	0.37	0.37	1402	5.79	Monoterp. alcohol
Linalool	7.02	1121	98.37	98.46	1510	7.74	Monoterp. alcohol
Camphor	7.75	1148	0.16	0.16	1422	6.08	Monoterp. ketone
<b>Total identified</b>			<b>99.42%</b>	<b>99.51%</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** : 1.4615  $\pm$  0.0003 (20 °C)

*CONCLUSION*

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



