



PLANT THERAPY  
100% PURE ESSENTIAL OILS

GC/MS BATCH NUMBER: W20102

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**ESSENTIAL OIL:** WINTERGREEN ORGANIC  
**BOTANICAL NAME:** GAULTHERIA PROCUMBENS  
**ORIGIN:** CHINA

KEY CONSTITUENTS PRESENT IN THIS BATCH OF WINTERGREEN ORGANIC OIL	%
Methyl salicylate	99.60

Comments from Robert Tisserand: Characteristic minty-sweet odor profile. Constituents are in expected amounts.

**Date :** August 1, 2017

*SAMPLE IDENTIFICATION*

**Internal code :** 17G31-PTH1-1-SM

**Customer identification :** Wintergreen Organic - China - W2010276R

**Type :** Essential oil

**Source :** *Gaultheria procumbens*

**Customer :** Plant Therapy

*ANALYSIS*

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

Identifications double-checked by GC-MS

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

**Analysis date :** 2017-07-31

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.	
<i>cis</i> -Hex-3-en-1-ol	2.52	868	0.05	0.04	1314	4.90	Aliphatic alcohol
Hexanol	2.71	883	0.01	0.02	1292	4.58	Aliphatic alcohol
Limonene	5.16	1030	tr	tr	1141	2.55	Monoterpene
1,8-Cineole	5.26	1035	0.02	0.02	1144	2.59	Monoterp. ether
Benzyl alcohol	5.74	1061	0.02	0.01	1781	19.97	Simple phenolic
Linalool	6.74	1111	0.06	0.06	1486	7.88	Monoterp. alcohol
Methyl salicylate	9.83	1215	99.60	99.55	1671	14.10	Phenolic ester
Ethyl salicylate	12.56	1275	0.11	0.08	1701	15.57	Phenolic ester
<b>Total identified</b>			<b>99.87%</b>	<b>99.78%</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 :** 1.5343 ± 0.0003 (20 °C)

*CONCLUSION*

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



