

# GC/MS BATCH NUMBER: W10102

**ESSENTIAL OIL: WINTERGREEN** 

**BOTANICAL NAME:** GAULTHERIA PROCUMBENS

ORIGIN: CHINA

KEY CONSTITUENTS PRESENT IN THIS BATCH OF WINTERGREEN OIL	%
Methyl salicylate	99.5

Comments from Robert Tisserand: Not much to say except that this is a natural Wintergreen oil.



**Date:** August 2, 2016

#### SAMPLE IDENTIFICATION

Internal code: 16G22-PTH11-1-SM

Customer identification: Wintergreen - China - W10102511R

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).

Analyst: Sylvain Mercier, M. Sc., chimiste

**Analysis date: 2016-08-02** 

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.	Molecular Class
cis-Hex-3-en-1-ol	2.49	870	0.06	0.06	1321	4.70	Aliphatic alcohol
α-Pinene	3.35	929	0.01	0.01	944	0.88	Monoterpene
Limonene	5.15	1035	0.02	0.02	1142	2.36	Monoterpene
Linalool	6.63	1112	0.07	0.06	1491	7.52	Monoterp. alcohol
Methyl salicylate	9.60	1215	99.48	99.58	1668	13.37	Phenolic ester
Ethyl salicylate	12.26	1275	0.11	0.09	1696	14.65	Phenolic ester
Eugenol	17.54	1366	0.03	0.03	2049	35.90	Phenylpropanoid
Total identified			99.78%	99.85%			

<sup>\*:</sup> 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

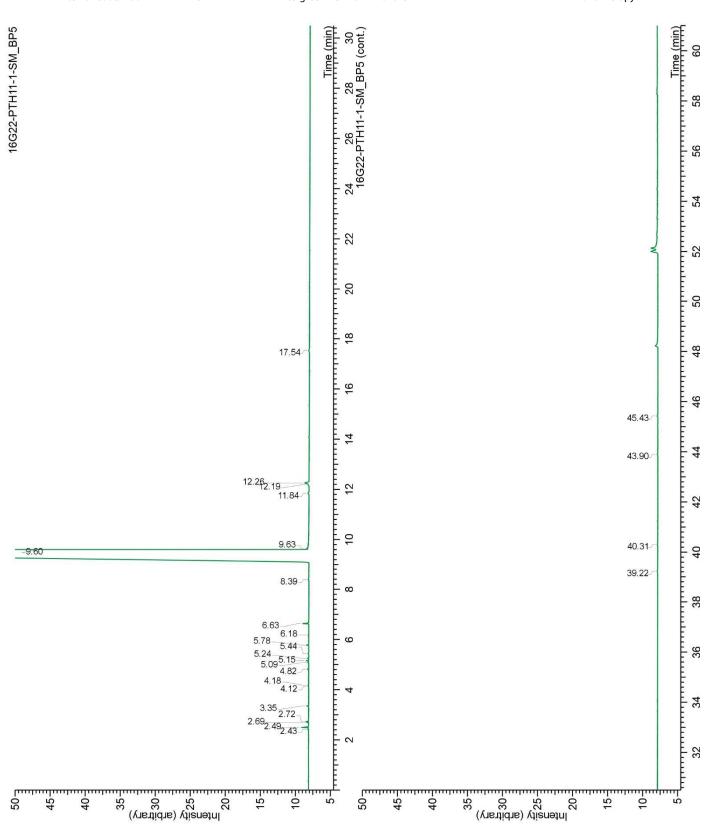
Physical aspect: Clear liquid

**Refractive index :** 1.5365 ± 0.0003 (20 °C)

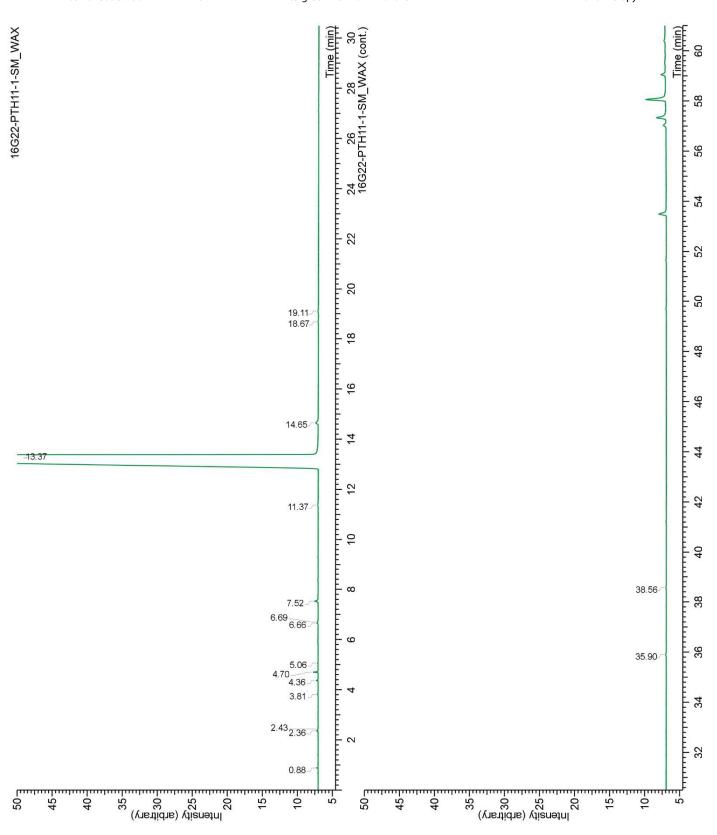
## **CONCLUSION**

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









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