



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.	
<i>cis</i> -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%			

*: 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 \pm 0.0003 (20 °C)

CONCLUSION

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



