



PLANT THERAPY
100% PURE ESSENTIAL OILS

GC/MS BATCH NUMBER: W20101

ESSENTIAL OIL: WINTERGREEN ORGANIC
BOTANICAL NAME: GAULTHERIA PROCUMBENS
ORIGIN: NEPAL

KEY CONSTITUENTS PRESENT IN THIS BATCH OF ORGANIC WINTERGREEN OIL	%
METHYL SALICYLATE	99.6

Comments from Robert Tisserand: Smells good and the lab report looks fine - no sign of synthetic methyl salicylate.

Date : February 16, 2017

SAMPLE IDENTIFICATION

Internal code : 17A30-PTH14-1-DM

Customer identification : Organic Wintergreen - Nepal - W2010167R

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 : 2017-02-13

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	2.52	869	0.01	0.01	1328	5.73	Aliphatic alcohol
α -Pinene	3.40	928	0.01	0.01	953	1.23	Monoterpene
β -Pinene	4.18	974	0.02	0.01	1043	1.91	Monoterpene
para-Cymene	5.08	1026	0.01	0.01	1211	3.94	Monoterpene
Limonene	5.13	1028	0.01	0.01	1143	3.01	Monoterpene
Benzyl alcohol	5.50	1049	0.03	0.04	1781	24.13	Simple phenolic
Linalool	6.57	1105	0.04	0.04	1497	9.33	Monoterp. alcohol
Methyl salicylate	9.51	1207	99.59	99.64	1674	17.25	Phenolic ester
Ethyl salicylate	12.17	1266	0.10	0.11	1702	18.79	Phenolic ester
Eugenol	16.99	1350	0.08	0.08	2061	39.23	Phenylpropanoid
Total identified			99.9%	99.96%			

*: 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 : Faintly pink liquid

Refractive index : 1.5350 ± 0.0003 (20 °C)

CONCLUSION

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



