

ANALYSIS Wintergreen Esssential Oil

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Date : May 9, 2017

SAMPLE IDENTIFICATION

Internal code : 17E05-FSE13-1-DM

Customer identification : Wintergreen Berries + Leaves - Lot #MP15D254

Type : Essential oil

Source : Gaultheria procumbens

Customer : Flowers Shining Everywhere Inc.

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 : 2017-05-09

Checked and approved by :



Alexis St-Gelais

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.	
cis-Hex-3-en-1-ol	2.48	865	0.02	0.02	1324	5.34	Aliphatic alcohol
α -Pinene	3.42	929	0.01	0.01	945	1.11	Monoterpene
para-Cymene	5.11	1027	0.01	0.01	1207	3.64	Monoterpene
Limonene	5.15	1029	0.01	0.01	1140	2.76	Monoterpene
Benzyl alcohol	5.58	1053	0.03	0.02	1778	21.87	Simple phenolic
Linalool	6.63	1106	0.04	0.03	1491	8.60	Monoterp. alcohol
Methyl salicylate	9.63	1210	99.61	99.18	1673	15.72	Phenolic ester
Ethyl salicylate	12.31	1270	0.14	0.13	1702	17.21	Phenolic ester
Eugenol	17.27	1354	0.05	0.07	2059	38.00	Phenylpropanoid
Total identified			99.92%	99.48%			

+: 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 : Pink liquid

Refractive index : 1.5340 ± 0.0003 (20 °C)

CONCLUSION

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



