Date : 2026-03-02

CERTIFICATE OF ANALYSIS - GC PROFILING

SAMPLE IDENTIFICATION

Internal code : 26A06-PTH08
Customer Identification : Chamomile Roman - USA - C90118R
Type : Essential Oil
Source : *Chamaemelum nobile*
Customer : Plant Therapy

Checked an approved by:

Sylvain Mercier, M. Sc., Chimiste 2014-005

Notes: This report may not be published, including online, without the written consent from Laboratoire PhytoChemia. This report is digitally signed, it is only considered valid if the digital signature is intact. The results only describe the samples that were submitted to the assays. The compliance status of the sample is provided to facilitate the reading of the report. The client remains ultimately responsible for reviewing the results presented within this report and to establish compliance of the tested batch against relevant quality criteria.

This report is an update of the version first issued on 2026-01-08 to make a correction in the sample identification section.

MÉTHODE CERTIFIÉE ISO 17025:2017 CERTIFIED METHOD

Laboratoire PhytoChemia

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Gas Chromatographic Analysis

Method : PC-MAT-014 - Analysis of the composition of an essential oil or other volatile liquide by FAST GC-FID
ISO
Results : See analysis summary (next page)
Analyst : Alexis St-Gelais, Ph. D., Chimiste 2013-174
Date : 2026-01-08

Physicochemical data

Refractive index : 1.4432 ± 0.0003 (20 °C)
Method : PC-MAT-016 - Measure of the refractive index of a liquid.
Analyst : Cindy Caron B. Sc.
Date : 2026-01-06

Conclusion

No adulterant, contaminant or diluent has been detected using this method.

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Analysis Summary - Consolidated Contents

New readers of similar reports are encouraged to read table footnotes at least once.

Identification	%	Class
Ethanol	tr	Aliphatic alcohol
Isobutyral	0.01	Aliphatic aldehyde
Methacrolein	0.01	Aliphatic aldehyde
Isobutanol	0.03	Aliphatic alcohol
Isovaleral	0.01	Aliphatic aldehyde
Methallyl alcohol	0.02	Aliphatic alcohol
3-Methyl-2-butanone	0.01	Aliphatic ketone
2-Methylbutyral	0.02	Aliphatic aldehyde
3-Methyl-3-buten-2-one	0.01	Aliphatic ketone
Methyl isobutyrate	tr	Aliphatic ester
2-Ethylfuran	0.01	Furan
Isoamyl alcohol	0.03	Aliphatic alcohol
2-Methylbutanol	0.08	Aliphatic alcohol
Ethyl isobutyrate	0.01	Aliphatic ester
Toluene	0.03	Simple phenolic
Methyl isovalerate	0.02	Aliphatic ester
Isobutyl acetate	0.02	Aliphatic ester
Methyl 2-methylbutyrate	0.01	Aliphatic ester
Ethyl methacrylate	tr	Aliphatic ester
Octene	0.03	Alkene
Hexanal	0.01	Aliphatic aldehyde
Methyl angelate	0.04	Aliphatic ester
3-Methylpentanol	0.06	Aliphatic alcohol
Ethyl 2-methylbutyrate	0.07	Aliphatic ester
Propyl isobutyrate	0.01	Aliphatic ester
(3*Z*)-Hexenol	0.09	Aliphatic alcohol
Isobutyl propionate	0.02	Aliphatic ester
Hexanol	tr	Aliphatic alcohol
Isoamyl acetate	0.07	Aliphatic ester
2-Methylbutyl acetate	0.07	Aliphatic ester
Propyl methacrylate	0.08	Aliphatic ester
Nonene	0.01	Alkene
Ethyl angelate	0.04	Aliphatic ester
Tricyclene	0.01	Monoterpene
Isobutyl isobutyrate	4.46	Aliphatic ester
Prenyl acetate	0.25	Aliphatic ester
Tiglyl acetate?	0.48	Aliphatic ester
α-Pinene	7.42	Monoterpene
Methallyl isobutyrate	1.68	Aliphatic ester
Isobutyl methacrylate	1.39	Aliphatic ester

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Camphene	0.40	Monoterpene
Propyl 2-methylbutyrate	0.07	Aliphatic ester
Thuja-2,4(10)-diene	0.02	Monoterpene
Propyl isovalerate	tr	Aliphatic ester
Benzaldehyde	tr	Simple phenolic
Butyl isobutyrate	0.03	Aliphatic ester
Methallyl methacrylate	1.58	Aliphatic ester
Sabinene	0.09	Monoterpene
β-Pinene	1.86	Monoterpene
2-Methylbutyl propionate	0.04	Aliphatic ester
Octen-3-ol	0.04	Aliphatic alcohol
Butyl methacrylate	0.07	Aliphatic ester
3-Methylpentyl acetate	0.17	Aliphatic ester
6-Methyl-5-hepten-2-one	0.01	Aliphatic ketone
Myrcene	0.05	Monoterpene
2-Pentylfuran	0.02	Furan
Propyl angelate	0.81	Aliphatic ester
Isobutyl 2-methylbutyrate	0.03	Aliphatic ester
Isobutyl isovalerate	0.84	Aliphatic ester
(3*Z*)-Hexenyl acetate	0.15	Aliphatic ester
Isoamyl isobutyrate	3.20	Aliphatic ester
2-Methylbutyl isobutyrate	1.91	Aliphatic ester
para-Cymene	0.09	Monoterpene
Methallyl 2-methylbutyrate	0.33	Aliphatic ester
Methallyl isovalerate?	0.09	Aliphatic ester
Limonene	1.39	Monoterpene
1,8-Cineole	0.17	Monoterpenic ether
Propyl tiglate	0.01	Aliphatic ester
Unknown	0.03	Unknown
2-Methylbutyl methacrylate	0.83	Aliphatic ester
Isoamyl methacrylate	1.53	Aliphatic ester
(*E*)-β-Ocimene	0.01	Monoterpene
Isobutyl angelate	8.70	Aliphatic ester
γ-Terpinene	0.03	Monoterpene
(*E*)-2-Methyl-2-butenyl isobutyrate	1.20	Aliphatic ester
Unknown	0.02	Unknown
Methallyl angelate	10.15	Aliphatic ester
Isobutyl senecioate	0.13	Aliphatic ester
3-Methylpentyl propionate?	0.04	Aliphatic ester
para-Cymenene	0.02	Monoterpene
Tiglyl methacrylate	0.89	Aliphatic ester
Isobutyl tiglate	0.05	Aliphatic ester
Butyl angelate	0.40	Aliphatic ester
α-Pinene oxide	0.08	Monoterpenic ether
2-Methylbutyl isovalerate?	0.03	Aliphatic ester

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Linalool	0.04	Monoterpenic alcohol
Isoamyl 2-methylbutyrate	0.19	Aliphatic ester
2-Methylbutyl 2-methylbutyrate	3.82	Aliphatic ester
2-Methylbutyl isovalerate	0.19	Aliphatic ester
Methallyl tiglate	0.18	Aliphatic ester
α-Campholenal	0.14	Monoterpenic aldehyde
3-Methylpentyl isobutyrate	0.94	Aliphatic ester
trans-Pinocarveol	3.60	Monoterpenic alcohol
Camphene hydrate	0.19	Monoterpenic alcohol
3-Methylpentyl methacrylate	2.29	Aliphatic ester
Isoamyl angelate	4.40	Aliphatic ester
2-Methylbutyl angelate	7.66	Aliphatic ester
Unknown	0.05	Oxygenated monoterpene
Pinocarvone	3.31	Monoterpenic ketone
Benzyl acetate	0.03	Phenolic ester
Borneol	0.14	Monoterpenic alcohol
Angelyl angelate?	0.49	Aliphatic ester
Isopinocamphone	0.24	Monoterpenic ketone
Terpinen-4-ol	0.03	Monoterpenic alcohol
Hexyl methacrylate?	0.05	Aliphatic ester
Isobutyl 3-hydroxy-2-methylenebutyrate	0.06	Aliphatic ester
para-Cymen-8-ol	0.03	Monoterpenic alcohol
trans-Isocarveol	0.02	Monoterpenic alcohol
Amyl angelate	0.01	Aliphatic ester
α-Terpineol	0.02	Monoterpenic alcohol
Myrtenal	0.59	Monoterpenic aldehyde
Myrtenol	0.31	Monoterpenic alcohol
2-Methylbutyl tiglate	0.17	Aliphatic ester
Tiglyl angelate	2.28	Aliphatic ester
Verbenone	0.07	Monoterpenic ketone
3-Methylpentyl 2-methylbutyrate?	0.55	Aliphatic ester
3-Methylpentyl isovalerate?	0.04	Aliphatic ester
trans-Carveol	0.03	Monoterpenic alcohol
4-Methylhexyl isobutyrate	0.03	Aliphatic ester
Carvone	0.02	Monoterpenic ketone
2-Hydroxy-2-methylbut-3-enyl angelate	0.46	Aliphatic ester
3-Methylpentyl angelate	8.73	Aliphatic ester
Linalyl acetate	0.04	Monoterpenic ester
(3*Z*)-Hexenyl angelate	0.02	Aliphatic ester
2-Methylbutyl 3-hydroxy-2-methylenebutyrate	0.07	Aliphatic ester
Isoamyl 3-hydroxy-2-methylenebutyrate	0.08	Aliphatic ester
Hexyl angelate	0.01	Aliphatic ester
trans-Pinocarvyl acetate	0.04	Monoterpenic ester
3-Methylpentyl tiglate	0.04	Aliphatic ester
(2*E*,4*E*)-Decadienal	0.01	Aliphatic aldehyde

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Benzyl isobutyrate	0.02	Phenolic ester
Unknown	0.07	Unknown
7βH-Silphiperfol-5-ene	0.03	Sesquiterpene
Silphiperfol-5-ene analog	0.01	Sesquiterpene
Cyclosativene I	0.02	Sesquiterpene
Cyclosativene II	0.03	Sesquiterpene
α-Copaene	0.04	Sesquiterpene
4-Methylpentyl 3-hydroxy-2-methylenebutyrate	0.10	Aliphatic ester
β-Elemene	0.02	Sesquiterpene
Phenylethyl isobutyrate	0.01	Phenolic ester
β-Caryophyllene	0.08	Sesquiterpene
cis-Verbenyl 2-methylpropionate?	0.04	Monoterpenic ester
Myrtenyl propionate?	0.01	Monoterpenic ester
Benzyl angelate	0.04	Phenolic ester
(*E*)-β-Farnesene	0.04	Sesquiterpene
Myrtenyl isobutyrate	0.02	Monoterpenic ester
Germacrene D	0.80	Sesquiterpene
β-Selinene	0.05	Sesquiterpene
ar-Curcumene	0.06	Sesquiterpene
α-Selinene	0.04	Sesquiterpene
Bicyclogermacrene	0.03	Sesquiterpene
(3*Z*,6*E*)-α-Farnesene	0.02	Sesquiterpene
(3*E*,6*E*)-α-Farnesene	0.10	Sesquiterpene
Presilphiperfolan-9α-ol	0.02	Sesquiterpenic alcohol
δ-Cadinene	0.03	Sesquiterpene
Spathulenol	0.04	Sesquiterpenic alcohol
Caryophyllene oxide	0.02	Sesquiterpenic ether
Phenylethyl tiglate	0.01	Phenolic ester
Copaborneol	0.14	Sesquiterpenic alcohol
Unknown	0.04	Oxygenated sesquiterpene
Unknown	0.03	Oxygenated sesquiterpene
Unknown	0.02	Unknown
Chamazulene	0.02	Azulene
Phytone	0.05	Terpenic ketone
Phytol	0.07	Diterpenic alcohol
Tricosane	0.02	Alkane
Pentacosane	0.02	Alkane
Consolidated total	**98.16**	

tr: The compound has been detected below 0.005% of the total signal

Note: no correction factor was applied

About "consolidated" data: The table above presents the breakdown of the sample volatile constituents after applying an algorithm to collapse data acquired from the multi-columns system of PhytoChemia into a single set of consolidated contents. In case of discrepancies between columns, the algorithm is set to prioritize data from the most standard DB-5 column, and smallest values so as to avoid overestimating individual content. This process is semi-automatic. Advanced users are invited to consult the "Full analysis data" table after the chromatograms in this report to access the full untreated data and perform their own calculations if needed.

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Unknowns: Unknown compounds' mass spectral data is presented in the "Full analysis data" table. The occurrence of unknown compounds is to be expected in many samples, and does not denote particular problems unless noted otherwise in the conclusion.
Bracketed value ([xx]): A bracketed percent value indicate that two or more compound percentage could not be solved due to coelution.

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DB-WAX
Intensity (×10^5)
Time (min)
16.70
15.04
14.93
14.69
14.40
14.18
13.36
13.25
13.12
12.76
12.14
11.89
11.85
11.52
11.42
11.25
10.97
10.92
10.89
10.73
10.69
10.57
10.51
10.41
10.26
10.18
10.05
10.01
9.85
9.77
9.80
9.60
9.56
9.21
9.12
8.69
8.62
8.49
8.40
8.30
8.27
8.22
8.10
7.94
7.63
7.54
7.42
7.32
7.13
7.03
6.93
6.88
6.82
6.66
6.57
6.52
6.28
6.25
6.00
5.98
5.93
5.86
5.82
5.69
5.44
5.42
5.33
5.26
5.10
5.02
4.92
4.85
4.81
4.71
4.67
4.54
4.50
4.41
4.34
4.33
4.19
4.12
4.07
4.01
3.98
3.92
3.81
3.79
3.71
3.67
3.48
3.46
3.42
3.35
3.31
3.23
3.20
3.11
2.92
2.89
2.83
2.81
2.72
2.61
2.46
2.39
2.37
2.30
2.12
2.12
2.07
1.96
1.90
1.71
1.68
1.60
1.43
1.38
1.34
1.30
1.25
1.14
1.03
0.94
0.93
0.86
0.82
0.80
0.77
0.75
0.64
0.58
0.51
19.22

DB-5
Intensity (x10^5)
Time (min)
15.52
14.07
13.41
13.17
12.74
12.64
12.43
12.36
12.30
11.68
11.63
11.55
11.38
11.30
11.17
11.15
11.09
10.92
10.87
10.61
10.42
10.30
10.26
9.97
9.94
9.89
9.69
9.55
9.48
9.42
9.16
9.19
8.87
8.87
8.63
8.60
8.47
8.42
8.39
8.34
8.05
8.03
7.81
7.71
7.50
7.42
7.36
7.27
7.20
7.14
7.06
7.00
6.93
6.88
6.81
6.76
6.67
6.63
6.59
6.52
6.51
6.45
6.38
6.27
6.15
5.93
5.85
5.82
5.73
5.67
5.64
5.52
5.51
5.44
5.36
5.32
5.26
5.16
5.09
5.01
4.94
4.92
4.83
4.75
4.72
4.68
4.63
4.46
4.43
4.38
4.35
4.30
4.19
4.13
4.07
3.99
3.93
3.86
3.82
3.77
3.66
3.62
3.40
3.38
3.34
3.32
3.29
3.26
3.20
3.16
3.05
3.02
2.93
2.82
2.82
2.58
2.49
2.36
2.34
2.31
2.24
2.19
2.05
2.04
1.97
1.92
1.69
1.41
1.35
1.31
1.24
1.22
1.15
1.10
0.96
0.94
0.75
0.68
0.65
0.63
0.61
0.59
0.53
0.42
0.33
21.87
20.13
18.33

FULL ANALYSIS DATA

	Column DB-WAX			Column DB-5		
Ethanol	0.86	907.8	tr	0.33	506.3	tr
Isobutyral	0.50	783.3	0.01	0.42	540.7	0.01
Methacrolein	0.64	842.0	0.01	0.43	552.2	0.01
Isobutanol	2.07	1062.4	0.03	0.53	621.0	0.03
Isovaleral	0.77	887.7	0.02	0.58	639.8	0.01
Methallyl alcohol	3.42	1175.5	0.03	0.59	642.9	0.02
3-Methyl-2-butanone	0.82	900.6	0.01	0.61	649.0	0.01
2-Methylbutyral	0.75	881.1	0.02	0.62	653.3	0.02
3-Methyl-3-buten-2-one	1.14	952.0	tr	0.65	664.6	0.01
Methyl isobutyrate	0.80	898.0	tr	0.68	675.6	tr
2-Ethylfuran	0.93	919.1	0.01	0.75	702.8	0.01
Isoamyl alcohol	3.48	1180.1	0.03	0.94	731.7	0.03
2-Methylbutanol	3.46	1178.9	0.08	0.96	734.4	0.08
Ethyl isobutyrate	1.03	934.7	0.01	1.10	755.7	0.01
Toluene	1.43	999.0	0.01	1.13	760.2	0.03
Methyl isovalerate	1.38*	991.8	[8.13]	1.22*	772.1	[0.04]
Isobutyl acetate	1.34	984.9	0.02	1.22*	772.1	[0.04]
Methyl 2-methylbutyrate	1.30	978.4	0.01	1.24	774.9	0.01
Ethyl methacrylate	1.60	1015.0	0.01	1.31	786.1	tr
Octene	0.58	819.1	0.02	1.35	791.7	0.03
Hexanal	1.90	1044.7	0.02	1.41	800.2	0.01
Methyl angelate				1.69	826.2	0.04
3-Methylpentanol	5.10	1298.6	0.08	1.92	845.8	0.06
Ethyl 2-methylbutyrate	1.68	1023.2	0.06	1.97	849.9	0.07
Propyl isobutyrate	1.71*	1026.2	[0.47]	2.04	855.4	0.01
(3*Z*)-Hexenol	5.82	1349.8	0.05	2.05	856.6	0.09
Isobutyl propionate	1.96	1051.3	0.02	2.19	868.8	0.02
Hexanol	5.44*	1323.3	[0.10]	2.24	872.8	tr
Isoamyl acetate	2.39	1094.2	0.07	2.30	878.2	0.07
2-Methylbutyl acetate	2.37	1092.3	0.07	2.34	880.8	0.07
Propyl methacrylate	2.46	1100.4	0.09	2.36	883.1	0.08
Nonene	0.94	921.0	tr	2.49	893.8	0.01
Ethyl angelate	2.83	1129.1	0.05	2.58	901.4	0.04
Tricyclene	1.25	970.7	0.01	2.82*	918.4	[4.47]
Isobutyl isobutyrate	2.12*	1066.7	[6.35]	2.82*	918.4	[4.47]

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Prenyl acetate	4.01	1220.3	0.25	2.93*	925.8	[0.74]
Tiglyl acetate?	3.92	1214.2	0.48	2.93*	925.8	[0.74]
α-Pinene	1.38*	991.8	[8.13]	3.02†	931.9	8.21
Methallyl isobutyrate	3.11*	1151.4	[1.71]	3.05†	933.8	0.88
Isobutyl methacrylate	2.92	1136.5	1.40	3.16	941.1	1.39
Camphene	1.71*	1026.2	[0.47]	3.20	943.9	0.40
Propyl 2-methylbutyrate	2.61	1111.5	0.08	3.26	948.0	0.07
Thuja-2,4(10)-diene	2.30*	1084.7	[0.11]	3.29	950.0	0.02
Propyl isovalerate	2.81	1127.6	0.01	3.32	951.8	tr
Benzaldehyde	7.32	1458.8	0.02	3.34	953.1	tr
Butyl isobutyrate	2.72	1120.3	0.04	3.38	956.0	0.03
Methallyl methacrylate	4.07	1225.3	1.55	3.40	957.5	1.58
Sabinene	2.30*	1084.7	[0.11]	3.62*	972.1	[1.95]
β-Pinene	2.12*	1066.7	[6.35]	3.62*	972.1	[1.95]
2-Methylbutyl propionate	3.23	1160.4	0.03	3.66	974.5	0.04
Octen-3-ol	6.82	1422.2	0.04	3.78*	982.3	[0.11]
Butyl methacrylate	3.67	1195.5	0.07	3.78*	982.3	[0.11]
3-Methylpentyl acetate	3.79	1204.1	0.18	3.82	985.1	0.17
6-Methyl-5-hepten-2-one	5.02	1294.8	0.02	3.86	987.8	0.01
Myrcene	2.89	1134.0	0.05	3.93*	993.0	[0.09]
2-Pentylfuran	3.71	1198.7	0.02	3.93*	993.0	[0.09]
Propyl angelate	3.98*	1218.0	[0.83]	3.99	996.9	0.81
Isobutyl 2-methylbutyrate	3.11*	1151.4	[1.71]	4.07	1002.2	0.03
Isobutyl isovalerate	3.35*	1170.3	[5.14]	4.13	1006.2	0.84
(3*Z*)-Hexenyl acetate	4.81*	1279.3	[1.09]	4.19	1009.8	0.15
Isoamyl isobutyrate	3.35*	1170.3	[5.14]	4.30	1016.9	3.20
2-Methylbutyl isobutyrate	3.35*	1170.3	[5.14]	4.35	1020.2	1.91
para-Cymene	4.12	1228.7	0.09	4.38*	1022.1	[0.43]
Methallyl 2-methylbutyrate	4.19	1234.1	0.33	4.38*	1022.1	[0.43]
Methallyl isovalerate?	4.41	1249.7	0.09	4.43	1025.3	0.09

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Limonene	3.20	1158.0	1.39	4.46*	1027.2	[1.43]
1,8-Cineole	3.31	1167.0	0.17	4.46*	1027.2	[1.43]
Propyl tiglate	4.85	1282.6	0.02	4.63	1038.1	0.01
Unknown CHNO I [m/z 43, 41 (84), 71 (62), 69 (59), 68 (51), 67 (48), 93 (41)...156 (4)]				4.68	1041.1	0.03
2-Methylbutyl methacrylate	4.34	1244.9	0.83	4.72†	1043.9	0.89
Isoamyl methacrylate	4.32	1243.8	1.53	4.75†	1045.5	1.41
(*E*)-β-Ocimene	3.98*	1218.0	[0.83]	4.83	1050.4	0.01
Isobutyl angelate	4.54	1259.5	8.53	4.92	1056.1	8.70
γ-Terpinene	3.80	1205.5	0.02	4.94	1057.6	0.03
(*E*)-2-Methyl-2-butenyl isobutyrate	4.92	1287.3	1.19	5.01	1062.2	1.20
Unknown CHNO II [m/z 71, 43 (28), 41 (21), 57 (19), 98 (11)... 116 (4), 129 (1), 156 (t)]	6.94*	1430.6	[0.19]	5.09	1067.1	0.02
Methallyl angelate	5.69	1340.6	9.88	5.16	1071.7	10.15
Isobutyl senecioate	5.33	1315.3	0.11	5.26	1078.1	0.13
3-Methylpentyl propionate?	4.67	1269.0	0.02	5.32	1081.7	0.04
para-Cymenene	6.28	1383.1	0.04	5.36	1084.3	0.02
Tiglyl methacrylate	6.00*†	1362.8	[0.77]	5.44	1089.4	0.89
Isobutyl tiglate	5.42	1321.6	0.05	5.51*	1093.8	[0.43]
Butyl angelate	5.26	1310.4	0.40	5.51*	1093.8	[0.43]
α-Pinene oxide	5.44*	1323.3	[0.10]	5.52	1094.7	0.08
2-Methylbutyl isovalerate?	4.71*	1272.3	[0.22]	5.60	1099.3	0.03
Linalool	8.10	1517.3	0.04	5.64	1102.0	0.04
Isoamyl 2-methylbutyrate	4.50*	1256.4	[4.01]	5.67	1103.9	0.19
2-Methylbutyl 2-methylbutyrate	4.50*	1256.4	[4.01]	5.73	1108.0	3.82
2-Methylbutyl isovalerate	4.71*	1272.3	[0.22]	5.80	1112.6	0.19
Methallyl tiglate	6.66	1410.7	0.13	5.82	1113.7	0.18
α-Campholenal	7.03	1437.7	0.14	5.93*	1120.8	[1.08]
3-Methylpentyl	4.81*	1279.3	[1.09]	5.93*	1120.8	[1.08]

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isobutyrate						
trans-Pinocarveol	9.21	1603.3	3.49	6.15	1135.1	3.60
Camphene hydrate	8.49	1547.3	0.16	6.27	1142.9	0.19
3-Methylpentyl methacrylate	5.86	1353.0	2.06	6.38	1149.9	2.29
Isoamyl angelate	5.93	1357.6	4.38	6.45	1154.4	4.40
2-Methylbutyl angelate	5.98*	1361.6	[8.21]	6.51	1158.4	7.66
Unknown CHNO III [m/z 96, 95 (72), 67 (45), 41 (42), 55 (32), 70 (27)... 152 (t)]	10.18	1681.3	0.05	6.52*	1159.1	[3.37]
Pinocarvone	7.94*	1505.4	[3.33]	6.52*	1159.1	[3.37]
Benzyl acetate	10.01	1667.8	0.03	6.59*	1164.0	[0.17]
Borneol	9.80*	1651.0	[0.14]	6.59*	1164.0	[0.17]
Angelyl angelate?	6.88	1426.8	0.49	6.63	1166.6	0.49
Isopinocamphone	7.63	1481.6	0.27	6.67	1169.1	0.24
Terpinen-4-ol	8.62	1557.3	0.05	6.76	1175.1	0.03
Hexyl methacrylate?				6.81	1178.1	0.05
Isobutyl 3-hydroxy-2-methylenebutyrate	10.92	1743.1	0.04	6.88	1182.7	0.06
para-Cymen-8-ol	11.52	1793.5	0.01	6.90	1184.3	0.03
trans-Isocarveol	10.97	1747.6	0.02	6.93	1186.2	0.02
Amyl angelate	6.57	1403.8	0.02	6.96	1187.8	0.01
α-Terpineol	9.80*	1651.0	[0.14]	6.98	1189.2	0.02
Myrtenal	8.69	1562.6	0.56	7.00	1190.8	0.59
Myrtenol	10.89	1740.9	0.27	7.06	1194.5	0.31
2-Methylbutyl tiglate	6.94*	1430.6	[0.19]	7.14*	1199.5	[2.45]
Tiglyl angelate	7.54	1475.2	2.28	7.14*	1199.5	[2.45]
Verbenone	9.60	1634.8	0.06	7.20	1203.7	0.07
3-Methylpentyl 2-methylbutyrate?	5.98*	1361.6	[8.21]	7.27	1208.5	0.55
3-Methylpentyl isovalerate?	6.00*†	1362.8	[0.77]	7.36	1214.2	0.04
trans-Carveol	11.42	1785.5	0.02	7.42	1218.2	0.03
4-Methylhexyl isobutyrate				7.50	1223.8	0.03
Carvone	10.05*	1670.6	[0.05]	7.71	1238.5	0.02
2-Hydroxy-2-methylbut-3-enyl angelate	11.90	1826.9	0.46	7.81	1245.2	0.46

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3-Methylpentyl angelate	7.42	1466.6	8.69	8.03	1260.5	8.73
Linalyl acetate	8.22	1526.4	0.04	8.06	1261.9	0.04
(3*Z*)-Hexenyl angelate	8.30	1532.7	0.06	8.34	1281.2	0.02
2-Methylbutyl 3-hydroxy-2-methylenebutyrate	12.14*	1848.7	[0.14]	8.40	1285.2	0.07
Isoamyl 3-hydroxy-2-methylenebutyrate	12.14*	1848.7	[0.14]	8.42	1286.8	0.08
Hexyl angelate	7.94*	1505.4	[3.33]	8.47	1290.2	0.01
trans-Pinocarvyl acetate	9.12	1596.4	0.04	8.60	1299.0	0.04
3-Methylpentyl tiglate	8.27	1530.4	0.07	8.63	1301.2	0.04
(2*E*,4*E*)-Decadienal	11.25	1771.0	0.01	8.87*	1315.1	[0.05]
Benzyl isobutyrate	10.73	1727.0	0.02	8.87*	1315.1	[0.05]
Unknown CHNO V [m/z 83, 55 (79), 82 (26), 43 (25), 45 (18), 69 (15)...166 (8)]	14.18	2036.2	0.11	9.16	1335.9	0.07
7βH-Silphiperfol-5-ene	6.25	1380.4	0.03	9.18	1337.3	0.03
Silphiperfol-5-ene analog	6.52	1400.1	0.04	9.42	1353.9	0.01
Cyclosativene I	6.94*	1430.6	[0.19]	9.48	1358.4	0.02
Cyclosativene II	6.94*	1430.6	[0.19]	9.55	1363.2	0.03
α-Copaene	7.13	1444.8	0.03	9.69	1373.1	0.04
4-Methylpentyl 3-hydroxy-2-methylenebutyrate	13.36	1959.0	0.09	9.89	1387.3	0.10
β-Elemene	8.40*	1540.7	[0.14]	9.94	1390.6	0.02
Phenylethyl isobutyrate	11.85	1822.7	0.01	9.97	1393.0	0.01
β-Caryophyllene	8.40*	1540.7	[0.14]	10.26	1414.1	0.08
cis-Verbenyl 2-methylpropionate?				10.30	1417.0	0.04
Myrtenyl propionate?				10.42	1426.4	0.01
Benzyl angelate	13.12	1936.4	0.05	10.61	1440.6	0.04
(*E*)-β-Farnesene	9.56	1631.3	0.11	10.87	1460.2	0.04
Myrtenyl isobutyrate	10.58	1714.1	0.01	10.92	1463.6	0.02

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Germacrene D	9.77	1648.2	0.81	11.09	1476.6	0.80
β-Selinene	9.85	1654.9	0.05	11.15	1480.9	0.05
ar-Curcumene	10.69	1724.1	0.06	11.17	1482.4	0.06
α-Selinene				11.30*	1491.8	[0.07]
Bicyclogermacrene	10.05*	1670.6	[0.05]	11.30*	1491.8	[0.07]
(3*Z*,6*E*)-α-Farnesene	10.26	1688.1	0.08	11.38	1498.0	0.02
(3*E*,6*E*)-α-Farnesene	10.51	1708.7	0.13	11.55	1510.8	0.10
Presilphiperfolan-9α-ol	13.25	1948.7	0.03	11.63	1517.3	0.02
δ-Cadinene	10.41	1700.4	0.04	11.68	1521.4	0.03
Spathulenol	14.40	2057.5	0.03	12.30	1570.7	0.04
Caryophyllene oxide	12.76	1903.9	0.03	12.36	1574.8	0.02
Phenylethyl tiglate	15.04	2120.4	0.07	12.43	1580.8	0.01
Copaborneol	14.93	2109.0	0.13	12.64	1597.1	0.14
Unknown CHNO VII [m/z 105, 131 (96), 91 (95), 93 (84), 159 (82), 43 (70)...220 (6)]				12.74	1605.2	0.04
Unknown CHNO VIII [m/z 43, 79 (65), 91 (64), 80 (63), 93 (60), 81 (59)...220 (5)]				13.17	1641.0	0.03
Unknown SASC VIII [m/z 81, 41 (46), 79 (46), 93 (39), 91 (33), 107 (33)... 206 (8)]				13.41	1660.4	0.02
Chamazulene	16.70	2289.8	0.01	14.07	1715.8	0.02
Phytone	14.69	2085.7	0.08	15.52	1843.8	0.05
Phytol	19.22	2571.6	0.08	18.33	2113.3	0.07
Tricosane				20.13	2304.2	0.02
Pentacosane				21.87	2502.5	0.02
Total reported		97.02%			98.00%	

*: Two or more compounds are coeluting on this column
[xx]: Duplicate percentage due to coelutions, only the first one is taken into account in the consolidated total
†: Peaks apexes were resolved, but peaks overlapped and were summed for analysis
tr: The compound has been detected below 0.005% of total signal.

Note: no correction factor was applied
R.T.: Retention time (minutes)
R.I.: Retention index

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