

Date : 2025-08-12

CERTIFICATE OF ANALYSIS - GC PROFILING

SAMPLE IDENTIFICATION

Internal code : 25G15-BWN02

Customer Identification : Organic Frankincense Frereana - Somalia - FE0113R

Type : Essential Oil

Source : *Boswellia frereana*

Customer : Plant Therapy

Checked and approved by:

Alexis St-Gelais, Ph. D., chimiste 2013-174

Notes: This report may not be published, including online, without the written consent from Laboratoire PhytoChemia.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.

This report is an update from the original version issued on 2025-07-22 to change the customer identification.

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

Date : 2025-07-17

PHYSICOCHEMICAL DATA

Refractive index : 1.4666 ± 0.0003 (20 °C)

Method : PC-MAT-016 - Measure of the refractive index of a liquid.

Analyst : Cindy Caron B. Sc.

Date : 2025-07-16

CONCLUSION

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

ANALYSIS SUMMARY - CONSOLIDATED CONTENTS

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

Identification	%	Class
2-Methyl-3-buten-2-ol	tr	Aliphatic alcohol
3-Methyl-2-butanone	0.01	Aliphatic ketone
4-Methyl-2-pentanone (Methyl isobutyl ketone)	tr	Aliphatic ketone
Toluene	0.03	Simple phenolic
Unknown	0.01	Alkene
(Z)-Salvene	0.01	Normonoterpene
Unknown	0.01	Unknown
Unknown	0.02	Unknown
Unknown	0.01	Monoterpene
Unknown	0.03	Unknown
Hashishene	0.24	Monoterpene
Tricyclene	0.05	Monoterpene
α -Thujene	29.35	Monoterpene
α -Pinene	26.89	Monoterpene
Thujadiene isomer	0.98	Monoterpene
Camphene	0.47	Monoterpene
Thuja-2,4(10)-diene	0.14	Monoterpene
β -Pinene	1.41	Monoterpene
Sabinene	5.37	Monoterpene
Pseudolimonene isomer	0.03	Monoterpene
Dehydro-1,8-cineole	0.02	Monoterpenic ether
6-Methyl-5-hepten-2-one	0.05	Aliphatic ketone
<i>cis</i> -Carane	0.01	Monoterpene
Myrcene	1.39	Monoterpene
6-Methyl-5-hepten-2-ol	0.04	Aliphatic alcohol
Octanal	0.01	Aliphatic aldehyde
Pseudolimonene	0.01	Monoterpene
α -Phellandrene	5.83	Monoterpene
Δ^3 -Carene	0.07	Monoterpene
<i>ortho</i> -Methylanisole	0.03	Simple phenolic
α -Terpinene	0.41	Monoterpene
<i>meta</i> -Cymene	0.08	Monoterpene
Carvomenthene	0.02	Aliphatic alcohol
<i>para</i> -Cymene	7.87	Monoterpene
Unknown	0.24	Unknown
Limonene	2.53	Monoterpene
1,8-Cineole	0.91	Monoterpenic ether
β -Phellandrene	2.04	Monoterpene
<i>ortho</i> -Cymene	0.02	Monoterpene

(Z)- β -Ocimene	0.09	Monoterpene
Unknown	0.13	Unknown
(E)- β -Ocimene	0.05	Monoterpene
Unknown	0.01	Unknown
γ -Terpinene	0.65	Monoterpene
cis-Sabinene hydrate	0.08	Monoterpenic alcohol
Unknown	0.02	Oxygenated monoterpene
cis-Linalool oxide (fur.)	0.02	Monoterpenic alcohol
Unknown	0.02	Unknown
Unknown	0.02	Oxygenated monoterpene
para-Cymenene	0.07	Monoterpene
Terpinolene	0.21	Monoterpene
trans-Sabinene hydrate	0.05	Monoterpenic alcohol
α -Thujone	0.03	Monoterpenic ketone
Linalool	0.48	Monoterpenic alcohol
Unknown	0.01	Monoterpenic alcohol
Unknown	0.03	Oxygenated monoterpene
β -Thujone	0.21	Monoterpenic ketone
Unknown	0.06	Oxygenated monoterpene
cis-para-Menth-2-en-1-ol	0.04	Monoterpenic alcohol
trans-para-Mentha-2,8-dien-1-ol	0.18	Monoterpenic alcohol
Unknown	0.11	Unknown
α -Campholenal	0.11	Monoterpenic aldehyde
Unknown	0.01	Unknown
Cosmene	0.01	Monoterpene
trans-Pinocarveol	0.18	Monoterpenic alcohol
trans-para-Menth-2-en-1-ol	0.04	Monoterpenic alcohol
trans-Sabinol	0.14	Monoterpenic alcohol
cis-Verbenol	0.07	Monoterpenic alcohol
trans-Verbenol	0.22	Monoterpenic alcohol
meta-Mentha-4,6-dien-8-ol	0.07	Monoterpenic alcohol
Sabinaketone	0.05	Normonoterpenic ketone
Unknown	0.03	Oxygenated monoterpene
Pinocarvone	0.06	Monoterpenic ketone
Unknown	0.02	Oxygenated monoterpene
α -Phellandren-8-ol	0.16	Monoterpenic alcohol
Isopinocamphe	0.09	Monoterpenic ketone
Umbellulone	0.08	Monoterpenic ketone
Unknown	0.07	Oxygenated monoterpene
cis-Sabinol	0.09	Monoterpenic alcohol
Terpinen-4-ol	3.48	Monoterpenic alcohol
Cryptone	0.06	Normonoterpenic ketone
Thuj-3-en-10-al	0.04	Monoterpenic aldehyde
para-Cymen-8-ol	0.13	Monoterpenic alcohol
α -Terpineol	0.51	Monoterpenic alcohol

Myrtenal	0.09	Monoterpenic aldehyde
cis-Piperitol	0.03	Monoterpenic alcohol
Myrtenol	0.09	Monoterpenic alcohol
cis- α -Phellandrene epoxide (iPr vs Me)	0.32	Monoterpenic ether
Verbenone	0.10	Monoterpenic ketone
trans-Carveol	0.07	Monoterpenic alcohol
cis-Carveol	0.01	Monoterpenic alcohol
Citronellol	0.06	Monoterpenic alcohol
Cuminal	0.08	Monoterpenic aldehyde
Carvone	0.02	Monoterpenic ketone
Piperitone	0.07	Monoterpenic ketone
Unknown	0.04	Oxygenated monoterpene
Unknown	0.05	Unknown
Unknown	0.03	Unknown
3,5-Dimethoxytoluene	0.02	Simple phenolic
Unknown	0.04	Unknown
Bornyl acetate	0.48	Monoterpenic ester
Cuminol	0.04	Monoterpenic alcohol
Thymol	0.07	Monoterpenic alcohol
para-Menth-5-en-1,2-diol isomer II	0.05	Monoterpenic alcohol
Carvacrol	0.06	Monoterpenic alcohol
exo-2-Hydroxycineole acetate	0.02	Monoterpenic ester
α -Cubebene	0.02	Sesquiterpene
Eugenol	0.01	Phenylpropanoid
Citronellyl acetate	0.05	Monoterpenic ester
α -Copaene	0.06	Sesquiterpene
1,5-diepi- β -Bourbonene	0.04	Sesquiterpene
β -Bourbonene	0.32	Sesquiterpene
β -Elemene	0.11	Sesquiterpene
β -Caryophyllene	tr	Sesquiterpene
β -Ylangene	0.07	Sesquiterpene
β -Copaene	0.05	Sesquiterpene
Isogermacrene D	0.03	Sesquiterpene
α -Humulene	0.02	Sesquiterpene
Unknown	0.02	Sesquiterpene
Germacrene D	0.06	Sesquiterpene
β -Selinene	0.02	Sesquiterpene
γ -Cadinene	0.02	Sesquiterpene
δ -Cadinene	0.03	Sesquiterpene
(E)- α -Bisabolene	0.02	Sesquiterpene
Caryophyllene oxide isomer	0.01	Sesquiterpenic ether
Caryophyllene oxide	0.01	Sesquiterpenic ether
τ -Cadinol	0.02	Sesquiterpenic alcohol
β -Eudesmol	0.01	Sesquiterpenic alcohol
α -Eudesmol	0.01	Sesquiterpenic alcohol

α-Phellandrene dimer I	0.04	Diterpene
α-Phellandrene dimer II	0.89	Diterpene
α-Phellandrene dimer III	0.14	Diterpene
α-Phellandrene dimer IV	0.11	Diterpene
α-Phellandrene dimer VI	0.03	Diterpene
α-Phellandrene dimer VII	0.03	Diterpene
α-Phellandrene dimer VIII	0.02	Diterpene
Consolidated total	98.99	

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

Note: no correction factor was applied

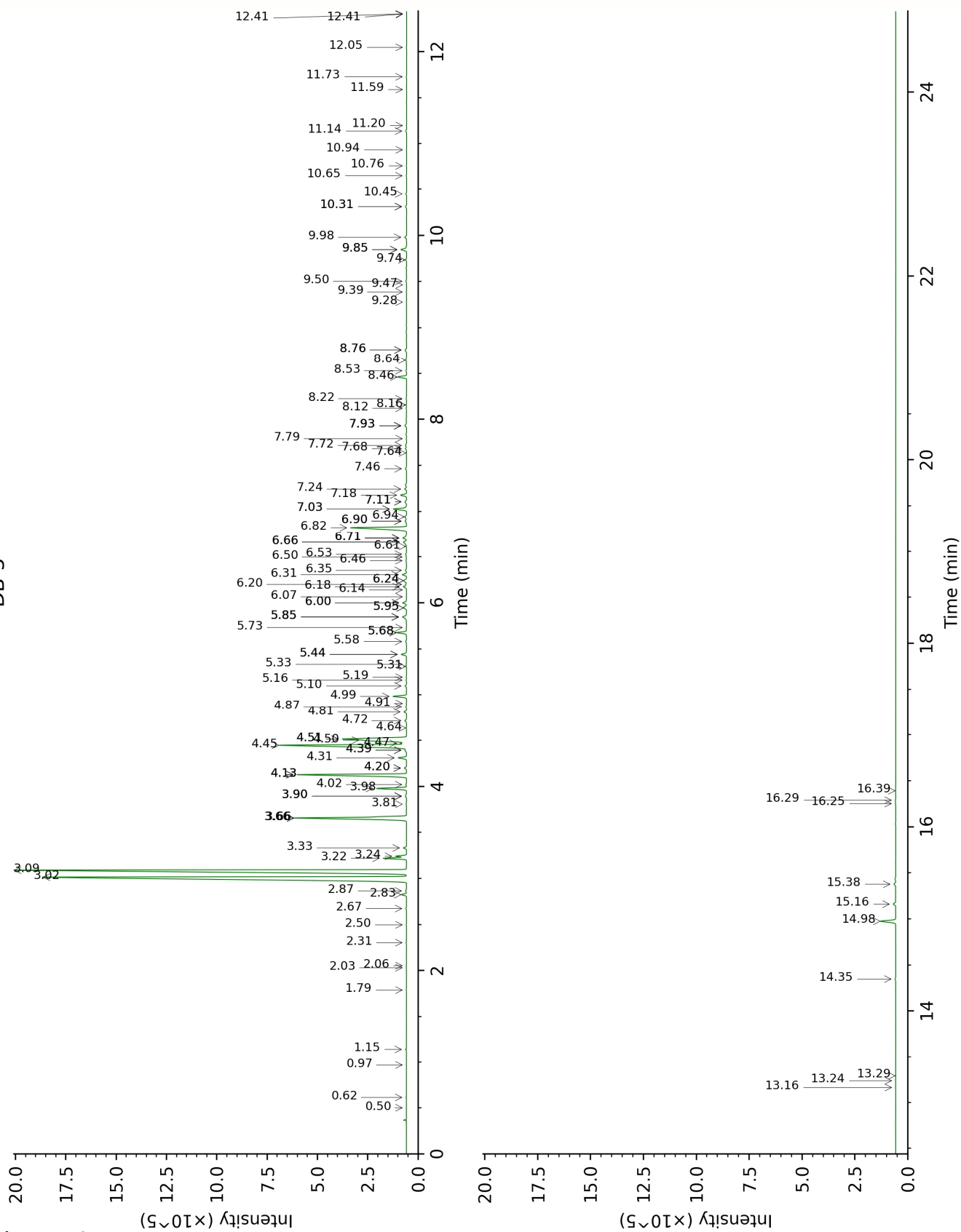
About "consolidated" data: The table above presents the breakdown of the sample volatile constituents after applying an algorithm to collapse data acquired from the multi-columns system of PhytoChemia into a single set of consolidated contents. In case of discrepancies between columns, the algorithm 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.

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.

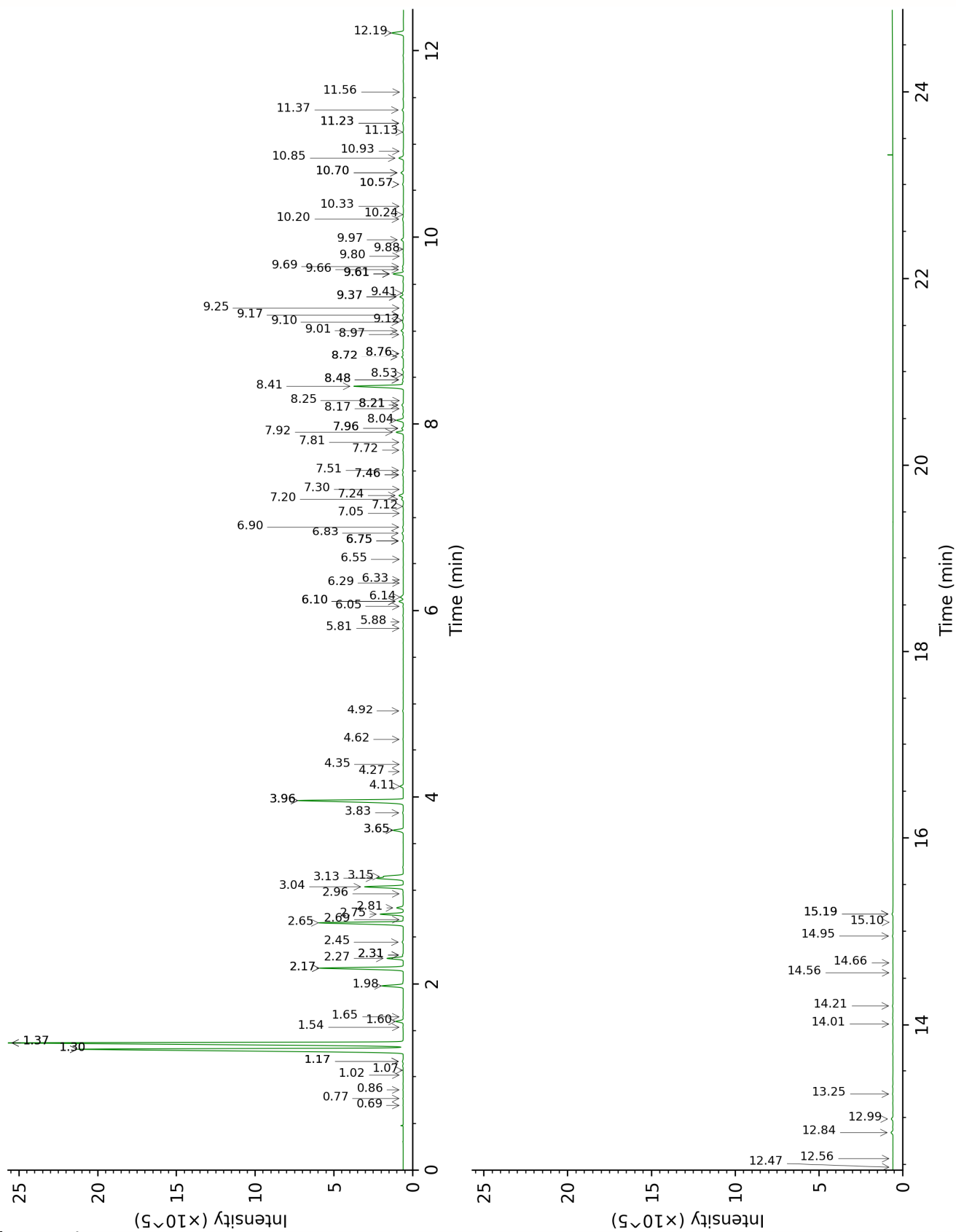
Bracketed value ([xx]): A bracketed percent value indicate that two or more compound percentage could not be solved due to coelution.

This page was intentionally left blank. The following pages present the complete data of the analysis.

DB-5



DB-WAX



Laboratoire
PhytoChemia

Plus que des analyses... des conseils

FULL ANALYSIS DATA

2-Methyl-3-buten-2-ol	Column DB-5			Column DB-WAX		
	0.50	607.0	tr			
3-Methyl-2-butanone	0.62	647.7	0.01	0.77	899.6	0.01
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.97	733.2	tr	1.16*	970.0	[0.06]
Toluene	1.15	758.6	0.03	1.37*	1001.3	[29.29]
Unknown BOCA I [m/z 109, 67 (32), 81 (14), 41 (12), 124 (10)]	1.79	831.9	0.01	0.69	877.4	0.01
(Z)-Salvene	2.03	852.3	0.01	0.86	916.0	0.01
Unknown PRME II [m/z 109, 43 (28), 124 (28), 41 (14), 55 (11), 79 (9), 81 (8)...]	2.06	854.2	0.01	1.54	1018.7	0.02
Unknown BOCA II [m/z 79, 78 (45), 91 (28), 77 (28), 41 (13), 80 (12), 107 (11)... 122 (1)]	2.30	875.3	0.02	1.07	953.3	0.01
Unknown BOFR I [m/z 93, 91 (75), 121 (61), 77 (58), 79 (38), 92 (26), 43 (24), 41 (23), 105 (22), 107 (19), 136 (16)]	2.50	891.7	0.01	1.02	944.1	0.01
Unknown BOFR II [m/z 93, 91 (72), 121 (58), 77 (49), 79 (41), 43 (22), 105 (20), 107 (20), 41 (18), 136 (17), 92 (17)]	2.68	906.1	0.03			
Hashishene	2.83	916.1	0.24	1.30*	994.2	[27.07]
Tricyclene	2.87	918.9	0.05	1.16*	970.0	[0.06]
α -Thujene	3.02	928.9	29.35	1.37*	1001.3	[29.29]
α -Pinene	3.09	933.9	26.89	1.30*	994.2	[27.07]
Thujadiene isomer	3.22*†	942.6	[1.02]	2.28	1095.4	0.98
Camphene	3.24*†	944.1	[0.43]	1.60	1025.2	0.47

Thuja-2,4(10)-diene	3.33	950.1	0.14	2.17*	1084.7	[5.47]
β-Pinene	3.66*	971.8	[6.77]	1.98	1064.9	1.41
Sabinene	3.66*	971.8	[6.77]	2.17*	1084.7	[5.47]
Pseudolimonene isomer	3.81	981.9	0.03	2.31*	1098.3	[0.04]
Dehydro-1,8-cineole	3.90*	987.8	[0.08]	2.96	1151.3	0.02
6-Methyl-5-hepten-2-one	3.90*	987.8	[0.08]	4.92	1301.1	0.05
cis-Carane	3.90*	987.8	[0.08]	1.65	1030.4	0.01
Myrcene	3.98	993.4	1.39	2.75	1133.6	1.38
6-Methyl-5-hepten-2-ol	4.02	996.2	0.04	6.74*	1432.3	[0.08]
Octanal	4.13*	1003.4	[5.88]	4.27	1252.4	0.01
Pseudolimonene	4.13*	1003.4	[5.88]	2.69	1128.9	0.01
α-Phellandrene	4.13*	1003.4	[5.88]	2.66	1126.2	5.83
Δ3-Carene	4.20*	1008.0	[0.10]	2.45	1109.4	0.07
ortho-Methylanisole	4.20*	1008.0	[0.10]	5.81	1364.6	0.03
α-Terpinene	4.31	1015.0	0.41	2.82	1139.1	0.41
meta-Cymene	4.39*	1020.3	[0.10]	3.96*	1229.2	[7.95]
Carvomenthene	4.39*	1020.3	[0.10]	2.31*	1098.3	[0.04]
para-Cymene	4.45*†	1023.7	[7.89]	3.96*	1229.2	[7.95]
Unknown BODA IV [m/z 109, 43 (58), 95 (26)... 137 (15)...]	4.47*†	1025.0	[0.22]	6.10*†	1385.1	[0.29]
Limonene	4.50*†	1027.2	[1.80]	3.04	1157.4	2.53
1,8-Cineole	4.52*†	1028.0	[3.70]	3.15	1166.3	0.91
β-Phellandrene	4.52*†	1028.0	[3.70]	3.13	1164.8	2.04
ortho-Cymene	4.64	1035.7	0.02	4.35	1258.1	0.02
(Z)-β-Ocimene	4.72	1040.7	0.09	3.64*	1205.6	[0.72]
Unknown BOFR III [m/z 109, 43 (57), 91 (28), 67 (25), 93 (24), 95 (22), 77 (21), 137 (21), 41 (17), 79 (14)...]	4.81	1046.8	0.13	7.20	1465.8	0.12
(E)-β-Ocimene	4.87	1050.5	0.05	3.83	1219.4	0.05
Unknown BOFR IV [m/z 109, 45 (67), 41 (40), 67 (39), 81 (33), 79 (27), 95 (24), 91 (23), 82	4.91	1052.9	0.01	6.74*	1432.3	[0.08]

(21), 55 (21), 93 (20)...						
γ -Terpinene	4.99	1057.9	0.65	3.64*	1205.6	[0.72]
<i>cis</i> -Sabinene hydrate	5.10	1065.1	0.08	6.74*	1432.3	[0.08]
Unknown PIMA I [m/z 79, 93 (60), 43 (40), 94 (35), 137 (33), 77 (26), 91 (20), 152 (18)]	5.16	1069.1	0.02	4.62	1278.1	0.03
<i>cis</i> -Linalool oxide (fur.)	5.19	1071.1	0.02	6.33	1401.7	tr
Unknown BOFR VI [m/z 85, 43 (48), 57 (45), 70 (29), 41 (28), 103 (23), 60 (19)...	5.31	1078.6	0.02			
Unknown BODA VI [m/z 43, 94 (63), 109 (61), 59 (55), 79 (51)...152 (2)]	5.33	1080.0	0.02	7.05	1454.7	0.02
<i>para</i> -Cymenene	5.44*	1086.8	[0.29]	6.14*†	1388.3	[0.23]
Terpinolene	5.44*	1086.8	[0.29]	4.11	1240.6	0.21
<i>trans</i> -Sabinene hydrate	5.58	1095.7	0.05	7.81	1511.3	0.05
α -Thujone	5.68*	1101.9	[0.49]	5.88	1369.4	0.03
Linalool	5.68*	1101.9	[0.49]	7.92	1519.6	0.48
Unknown ORMA I [m/z 119, 109 (94), 43 (61), 95 (56), 91 (48), 77 (32), 152 (32), 137 (31), 134 (24)]	5.73	1105.4	0.01	8.25	1545.6	0.01
Unknown BOSE I [m/z 109, 81 (54), 91 (32), 79 (22)...	5.85*	1112.8	[0.30]	6.05	1381.3	0.03
β -Thujone	5.85*	1112.8	[0.30]	6.10*†	1385.1	[0.29]
Unknown BOSE II [m/z 109, 91 (57), 93 (47), 81 (44), 77 (40)... 154 (1)]	5.85*	1112.8	[0.30]			
<i>cis-para</i> -Menth-2- en-1-ol	5.95*	1119.2	[0.22]	7.96*	1522.8	[0.11]
<i>trans-para</i> - Mentha-2,8-dien-	5.95*	1119.2	[0.22]	8.72*	1581.9	[0.15]

1-ol						
Unknown BOSE III [m/z 111, 43 (22), 55 (14), 41 (12), 110 (11)...]	6.00*	1122.8	[0.22]			
α -Campholenal	6.00*	1122.8	[0.22]	6.83	1438.5	0.11
Unknown BONE I [m/z 95, 43 (41), 110 (36), 41 (19), 67 (18)... 150 (tr)]	6.07	1127.0	0.01			
Cosmene	6.14	1131.9	0.01	6.30	1399.2	0.01
<i>trans</i> -Pinocarveol	6.18	1134.1	0.18	9.01	1604.2	0.18
<i>trans-para</i> -Menth- 2-en-1-ol	6.20	1135.7	0.04	8.76*	1584.8	[0.05]
<i>trans</i> -Sabinol	6.24*	1138.4	[0.20]	9.61*	1652.9	[0.71]
<i>cis</i> -Verbenol	6.24*	1138.4	[0.20]	9.10	1611.6	0.07
<i>trans</i> -Verbenol	6.31	1142.6	0.22	9.37*	1633.2	[0.25]
<i>meta</i> -Mentha-4,6- dien-8-ol	6.35	1145.6	0.07	9.17	1617.5	0.08
Sabinaketone	6.46	1152.5	0.05	8.53	1566.9	0.04
Unknown BOCA III [m/z 97, 81 (96), 109 (80), 43 (53), 53 (40), 41 (36), 56 (29), 95 (25)... 152 (1)]	6.50	1155.1	0.03	7.30	1473.5	0.02
Pinocarvone	6.53	1157.1	0.06	7.72	1504.9	0.06
Unknown CALU II [m/z 95, 110 (38), 81 (21), 79 (16)... 152 (7)]	6.61	1162.5	0.02	7.46*	1485.0	[0.08]
α -Phellandren-8-ol	6.66*	1165.6	[0.25]	9.98	1682.2	0.16
Isopinocampnone	6.66*	1165.6	[0.25]	7.46*	1485.0	[0.08]
Umbellulone	6.71*	1168.5	[0.25]	8.72*	1581.9	[0.15]
Unknown CALU III [m/z 95, 110 (43), 81 (28), 41 (15)... 152 (8)]	6.71*	1168.5	[0.25]	7.51	1488.5	0.07
<i>cis</i> -Sabinol	6.71*	1168.5	[0.25]	10.70*	1742.8	[0.18]
Terpinen-4-ol	6.82	1176.2	3.48	8.41	1557.4	3.49
Cryptone	6.90*	1180.8	[0.09]	8.97	1600.9	0.06
Thuj-3-en-10-al	6.90*	1180.8	[0.09]	8.48*†	1562.8	[0.06]
<i>para</i> -Cymen-8-ol	6.94	1183.9	0.13	11.37	1799.9	0.10
α -Terpineol	7.03*	1189.4	[0.73]	9.61*	1652.9	[0.71]
Myrtenal	7.03*	1189.4	[0.73]	8.48*†	1562.8	[0.06]

<i>cis</i> -Piperitol	7.11*	1194.5	[0.11]	9.37*	1633.2	[0.25]
Myrtenol	7.11*	1194.5	[0.11]	10.70*	1742.8	[0.18]
<i>cis</i> - α -Phellandrene epoxide (iPr vs Me)	7.18	1199.2	0.32	10.85	1756.0	0.34
Verbenone	7.24	1203.5	0.10	9.41	1636.5	0.10
<i>trans</i> -Carveol	7.46	1218.4	0.07	11.23*	1787.5	[0.08]
<i>cis</i> -Carveol	7.64	1230.1	0.01	11.56	1816.9	0.01
Citronellol	7.68	1233.2	0.06	10.57*	1731.7	[0.08]
Cuminal	7.72	1235.6	0.08	10.33	1711.9	0.05
Carvone	7.79	1240.6	0.02	9.80	1668.1	0.02
Piperitone	7.93*	1250.2	[0.12]	9.69	1659.2	0.07
Unknown BODA V [m/z 109, 119 (84), 91 (81), 134 (55)... 137 (27)...]	7.93*	1250.2	[0.12]	11.13	1779.5	0.04
Unknown CALU IV [m/z 43, 97 (69), 107 (46), 41 (28), 55 (21), 109 (20)...]	7.93*	1250.2	[0.12]	10.93	1762.2	0.05
Unknown CIGL III [m/z 43, 97 (78), 41 (45), 55 (35), 69 (28), 107 (24), 83 (23)...]	8.12	1263.1	0.03	13.25	1970.3	0.03
3,5- Dimethoxytoluene	8.16	1265.6	0.02	11.23*	1787.5	[0.08]
Unknown PECR X [m/z 109, 43 (83), 95 (70), 110 (70), 99 (53), 119 (48)...]	8.22	1270.2	0.04			
Bornyl acetate	8.46	1286.3	0.48	8.04	1529.5	0.50
Cuminol	8.53	1290.9	0.04	14.01	2042.5	0.03
Thymol	8.64	1298.9	0.07	14.95	2135.2	0.04
<i>para</i> -Menth-5-en- 1,2-diol isomer II	8.76*	1306.8	[0.11]	14.20	2061.2	0.05
Carvacrol	8.76*	1306.8	[0.11]	15.19*	2158.9	[0.07]
exo-2- Hydroxycineole acetate	9.28	1340.0	0.02	9.88	1674.2	0.01
α -Cubebene	9.39	1347.9	0.02	6.55	1417.8	0.02
Eugenol	9.47	1353.3	0.01	14.56	2095.7	0.02
Citronellyl acetate	9.50	1356.0	0.05	9.25	1623.6	0.03
α -Copaene	9.74	1372.5	0.06	6.90	1443.7	0.06
1,5-diepi- β -	9.85*	1380.4	[0.36]	7.12	1460.1	0.04

Bourbonene						
β-Bourbonene	9.85*	1380.4	[0.36]	7.24	1468.7	0.32
β-Elementene	9.98	1389.9	0.11	8.21*†	1542.0	[0.12]
β-Caryophyllene	10.31*	1413.9	[0.07]	8.21*†	1542.0	[0.12]
β-Ylangene	10.31*	1413.9	[0.07]	7.96*	1522.8	[0.11]
β-Copaene	10.45	1424.3	0.05	8.17*†	1539.0	[0.03]
Isogermacrene D	10.65	1439.5	0.03	8.76*	1584.8	[0.05]
α-Humulene	10.76	1447.6	0.02	9.12	1613.1	0.03
Unknown MISC XLIX [m/z 161, 105 (56), 91 (50), 93 (36), 119 (33), 79 (31)...204 (5)]	10.94	1460.6	0.02			
Germacrene D	11.14	1475.9	0.06	9.61*	1652.9	[0.71]
β-Selinene	11.20	1480.4	0.02	9.66	1656.6	0.07
γ-Cadinene	11.59	1509.9	0.02	10.20	1700.4	0.10
δ-Cadinene	11.73	1520.8	0.03	10.24	1704.5	0.03
(E)-α-Bisabolene	12.05	1546.1	0.02	10.57*	1731.7	[0.08]
Caryophyllene oxide isomer	12.41*	1574.9	[0.01]	12.47	1897.9	0.01
Caryophyllene oxide	12.41*	1574.9	[0.01]	12.56	1906.5	0.01
τ-Cadinol	13.16	1635.6	0.02	14.66	2106.3	0.01
β-Eudesmol	13.24	1641.8	0.01	15.19*	2158.9	[0.07]
α-Eudesmol	13.29	1646.2	0.01	15.10	2150.0	0.01
α-Phellandrene dimer I	14.35	1735.4	0.04			
α-Phellandrene dimer II	14.98	1790.0	0.89	12.19	1872.8	0.90
α-Phellandrene dimer III	15.16	1806.2	0.14	12.84	1932.2	0.15
α-Phellandrene dimer IV	15.38	1825.9	0.11	12.99	1945.7	0.13
α-Phellandrene dimer VI	16.25	1905.7	0.03			
α-Phellandrene dimer VII	16.29	1909.2	0.03			
α-Phellandrene dimer VIII	16.39	1919.0	0.02			
Total reported		99.09%			98.24%	

*: 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