



Frankincense Serrata *Boswellia serrata*

Produced, India, Batch No. IN-58763

Monoterpenes	87.68%	Monoterpenols	2.49%	Sesquiterpenes	2.17%
hashishene	0.10	linalol	0.11	α copaene	0.17
α thujene	61.49	terpinen-4-ol	1.07	β bourbonene	0.87
α pinene	5.18	α terpineol	0.09	1,5-diepi- β -Bourbonene	0.07
camphene	0.06	myrtenol	0.02	β elemene	0.02
α fenchene	0.01	thymol	0.03	sibirene	0.12
Thuja-2,4(10)-diene	0.01	carvacrol	0.03	β caryophyllene	0.10
meta-cymene	0.06	borneol	0.05	β ylangene	0.02
sabinene	5.90	cis-sabinene hydrate	0.22	β copaene	0.10
β pinene	0.41	trans-sabinene hydrate	0.20	trans α bergamotene	0.08
myrcene	0.75	cis-para-Menth-2-en-1-ol	0.15	isogermacrene D	0.07
α phellandrene	1.59	trans-sabinol	0.11	cis-Muuroala-4(15),5-diene	0.02
Δ^3 carene	4.65	trans-pinocarveol	0.03	γ -Muurolene	0.06
α terpinene	0.39	trans-verbenol	0.05	germacrene d	0.19
carvomenthene	0.02	α -phellandren-8-ol	0.02	α -Muurolene	0.01
para cymene	2.37	cis-sabinol	0.21	γ cadinene	0.04
limonene	2.23	meta-cymen-8-ol	0.02	δ cadinene	0.22
β phellandrene	0.42	para-cymen-8-ol	0.04	zonarene	0.01
(Z) β ocimene	0.50	trans-pipertol	0.03		
(E) β ocimene	0.27	cis-carveol	0.01		
γ terpinene	0.90			Sesquiterpenols	0.04%
para-cymenene	0.02			viridiflorol	0.01
terpinolene	0.33	Ethers	0.51%	guaiol	0.01
allo-ocimene	0.02	1,8 cineole	0.40	10-epi- γ -Eudesmol	0.02
		dehydro-1,8 cineole	0.01		
Phenols	3.8%	epoxyterpinolene	0.01	Ketones	0.69%
toluene	0.01	α phellandrene epoxide	0.05	6-Methyl-5-hepten-2-one	0.01
ortho-cymene	0.07	verbenone	0.02	α thujone	0.07
methyl chavicol	3.41	kessane	0.01	β thujone	0.47
methyl eugenol	0.25	Isocaryophyllene epoxide B	0.01	Dehydrosabinaketone	0.02
elemicin	0.06			umbellulone	0.02
		Esters	0.17%	cryptone	0.03
Aldehydes	0.03%	trans-sabinene hydrate acetate	0.01	carvotanacetone	0.02
α -Campholenal	0.01	linalyl acetate	0.03	piperitone	0.05
cuminal	0.02	bornyl acetate	0.05		
		α terpinyl acetate	0.08	Diterpenes	0.19%
				α -Phellandrene dimer I	0.01
		Diterpenols	0.19%	α -Phellandrene dimer II	0.07
		cembrenol	0.02	α -Phellandrene dimer III	0.02
		serratol	0.17	α -Phellandrene dimer IV	0.01
				(3E)-Cembrene A	0.05
		other constituents	0.94	Verticilla-4(20),7,11-triene	0.03

Raw Material: Frankincense Serrata
 INCI Name: Boswellia serrata
 Production Steam Dist., India, resin
 Date of Analysis: July, 2018

Date : July 12, 2018

CERTIFICATE OF ANALYSIS – GC PROFILING

SAMPLE IDENTIFICATION

Internal code : 18G04-NGA1-1-CC

Customer identification : Frankincense Serrata - India - IN-58763

Type : Essential oil

Source : *Boswellia serrata*

Customer : Nature's Gift Aromatherapy

ANALYSIS

Method: PC-PA-014-17J19 - Analysis of the composition of an essential oil, or other volatile liquid, by FAST GC-FID (in French); identifications validated by GC-MS.

Analyst : Sarah-Eve Tremblay, M. Sc. A., Chimiste

Analysis date : July 09, 2018

Checked and approved by :

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

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This report is digitally signed, it is only considered valid if the digital signature is intact.

PHYSICOCHEMICAL DATA

Physical aspect: Clear liquid

Refractive index: 1.4620 ± 0.0003 (20 °C)

CONCLUSION

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

ANALYSIS SUMMARY

Identification	DB-5 (%)	DB-WAX (%)	Classe
Ethanol	0.04	0.03	Aliphatic alcohol
2-Methylfuran	0.01	tr	Furan
3-Methyl-2-butanone	tr	tr	Aliphatic ketone
Toluene	0.01	61.42*	Simple phenolic
Unknown	tr		Unknown
Santene	tr	tr*	Monoterpene
Unknown	tr	[tr]*	Monoterpene
Unknown	0.01		Unknown
Hashishene	0.10	5.24*	Monoterpene
Tricyclene	tr	0.01	Monoterpene
α -Thujene	61.49	[61.42]*	Monoterpene
α -Pinene	5.18	[5.24]*	Monoterpene
Unknown	0.57	0.57	Monoterpene
Camphene	0.07*	0.07	Monoterpene
α -Fenchene	[0.07]*	0.01	Monoterpene
Thuja-2,4(10)-diene	0.01	5.91*	Monoterpene
meta-Cymene	0.06	0.82*	Monoterpene
Sabinene	6.31*	[5.91]*	Monoterpene
β -Pinene	[6.31]*	0.41	Monoterpene
Pseudolimonene isomer	tr	0.02*	Monoterpene
6-Methyl-5-hepten-2-one	0.01	0.01	Aliphatic ketone
Myrcene	0.76*	[0.82]*	Monoterpene
Dehydro-1,8-cineole	[0.76]*	0.01	Monoterpenic ether
α -Phellandrene	1.59	1.59	Monoterpene
Δ^3 -Carene	4.65	4.63	Monoterpene
α -Terpinene	0.39	0.38	Monoterpene
Carvomenthene	0.09*	[0.02]*	Aliphatic alcohol
ortho-Cymene	[0.09]*	2.42*	Simple phenolic
para-Cymene	2.37	[2.42]*	Monoterpene
Limonene	3.05*	2.23	Monoterpene
β -Phellandrene	[3.05]*	0.42*	Monoterpene
1,8-Cineole	[3.05]*	[0.42]*	Monoterpenic ether
Unknown	[3.05]*	0.41*	Unknown
(Z)- β -Ocimene	0.50	0.52	Monoterpene
Unknown	0.17		Unknown
(E)- β -Ocimene	0.27	0.27	Monoterpene
Unknown	0.02		Unknown
γ -Terpinene	0.90	0.88	Monoterpene
cis-Sabinene hydrate	0.22	0.23	Monoterpenic alcohol
Unknown	0.01	0.02	Oxygenated monoterpene
meta-Cymenene	tr	[0.41]*	Monoterpene
para-Cymenene	0.35*	0.39*	Monoterpene
Terpinolene	[0.35]*	0.33	Monoterpene
trans-Sabinene hydrate	0.20	0.19*	Monoterpenic alcohol
Unknown	tr	0.07*	Unknown
Linalool	0.27*	0.11	Monoterpenic alcohol
α -Thujone	[0.27]*	[0.07]*	Monoterpenic ketone
Unknown	tr	0.08*	Monoterpenic alcohol

Unknown	tr	0.01	Oxygenated monoterpene
β -Thujone	0.47	[0.39]*	Monoterpenic ketone
Unknown	0.01		Oxygenated monoterpene
Dehydrosabinaketone	0.17*	0.02	Normonoterpenic ketone
<i>cis</i> -para-Menth-2-en-1-ol	[0.17]*	0.20	Monoterpenic alcohol
α -Campholenal	0.01	0.01	Monoterpenic aldehyde
Unknown	0.02		Unknown
4-Hydroxy-4-methylcyclohex-2-enone	0.03	0.02	Aliphatic alcohol
allo-Ocimene	0.02	0.02	Monoterpene
<i>cis</i> -para-Mentha-2,8-dien-1-ol	tr	0.01	Monoterpenic alcohol
<i>trans</i> -Sabinol	0.14*	0.11	Monoterpenic alcohol
<i>trans</i> -Pinocarveol	[0.14]*	0.03*	Monoterpenic alcohol
<i>trans</i> -Verbenol	0.05	0.05	Monoterpenic alcohol
Epoxyterpinolene	0.01	0.02	Monoterpenic ether
Unknown	0.01	0.03	Unknown
Unknown	0.01		Oxygenated monoterpene
Unknown	0.05		Oxygenated monoterpene
Borneol	0.05	0.30*	Monoterpenic alcohol
α -Phellandren-8-ol	0.02	0.01	Monoterpenic alcohol
Unknown	0.22*	tr	Oxygenated monoterpene
<i>cis</i> -Sabinol	[0.22]*	0.21*	Monoterpenic alcohol
Umbellulone	0.02	0.02	Monoterpenic ketone
Terpinen-4-ol	1.07	1.15	Monoterpenic alcohol
meta-Cymen-8-ol	0.02	0.02	Monoterpenic alcohol
Cryptone	0.03	[0.03]*	Normonoterpenic ketone
para-Cymen-8-ol	0.04	0.04	Monoterpenic alcohol
α -Terpineol	0.09	[0.30]*	Monoterpenic alcohol
Myrtenol	0.02	[0.21]*	Monoterpenic alcohol
Methylchavicol	3.41	3.43	Phenylpropanoid
α -Phellandrene epoxide	0.05	0.07	Monoterpenic ether
Unknown	0.05*	0.01	Oxygenated monoterpene
Verbenone	[0.05]*	0.02	Monoterpenic ketone
<i>trans</i> -Piperitol	0.03	0.02	Monoterpenic alcohol
Unknown	0.02		Unknown
<i>cis</i> -Carveol	0.01	tr	Monoterpenic alcohol
Cuminal	0.02	0.01	Monoterpenic aldehyde
Carvone	tr	0.05	Monoterpenic ketone
Carvotanacetone	0.02	0.04	Monoterpenic ketone
Piperitone	0.06*	0.21*	Monoterpenic ketone
Unknown	[0.06]*	0.01	Unknown
<i>trans</i> -Sabinene hydrate acetate	0.01	0.01	Monoterpenic ester
Linalyl acetate	0.03	0.03	Monoterpenic ester
Unknown	0.05		Oxygenated monoterpene
Bornyl acetate	0.05	0.05	Monoterpenic ester
Thymol	0.03	0.03	Monoterpenic alcohol
Carvacrol	0.03	0.02	Monoterpenic alcohol
Unknown	tr	tr	Unknown
Unknown	0.01	0.01	
α -Terpinyl acetate	0.08	0.06	Monoterpenic ester
α -Copaene	0.17	0.18	Sesquiterpene
β -Bourbonene	0.95*	0.87	Sesquiterpene
1,5-diepi- β -Bourbonene	[0.95]*	0.07	Sesquiterpene

β-Elemene	0.02	0.02	Sesquiterpene
Sibirene	0.12	[0.19]*	Sesquiterpene
Methyleugenol	0.25	0.24*	Phenylpropanoid
β-Caryophyllene	0.12*	0.10*	Sesquiterpene
β-Ylangene	[0.12]*	0.05	Sesquiterpene
β-Copaene	0.10	[0.10]*	Sesquiterpene
<i>trans</i> -α-Bergamotene	0.08	[0.08]*	Sesquiterpene
Isogermacrene D	0.07	0.04	Sesquiterpene
<i>cis</i> -Muurolo-4(15),5-diene	0.02	0.01	Sesquiterpene
γ-Muurolole	0.06	0.08	Sesquiterpene
Germacrene D	0.19	[0.30]*	Sesquiterpene
Unknown	0.19	[0.21]*	Sesquiterpene
α-Muurolole	0.01	0.02	Sesquiterpene
γ-Cadinene	0.04	0.03*	Sesquiterpene
δ-Cadinene	0.23*	0.22	Sesquiterpene
Kessane	[0.23]*	0.01	Sesquiterpenic ether
Zonarene	[0.23]*	[0.03]*	Sesquiterpene
Isocaryophyllene epoxide B	0.01	0.01	Sesquiterpenic ether
Elemicin	0.06	0.05	Phenylpropanoid
Viridiflorol	0.01	0.01	Sesquiterpenic alcohol
Guaiol	0.01	0.01	Sesquiterpenic alcohol
10-epi-γ-Eudesmol	0.02	0.02	Sesquiterpenic alcohol
Unknown	0.01	0.01	Oxygenated sesquiterpene
α-Phellandrene dimer I	0.01	tr	Diterpene
α-Phellandrene dimer II	0.07	0.07	Diterpene
α-Phellandrene dimer III	0.02	0.01	Diterpene
α-Phellandrene dimer IV	0.01	[0.24]*	Diterpene
(3E)-Cembrene A	0.05	0.05	Diterpene
Verticilla-4(20),7,11-triene	0.03		Diterpene
Cembrenol	0.02	0.02	Diterpenic alcohol
Serratol	0.17	0.16	Diterpenic alcohol
Total identified	98.18%	97.77%	

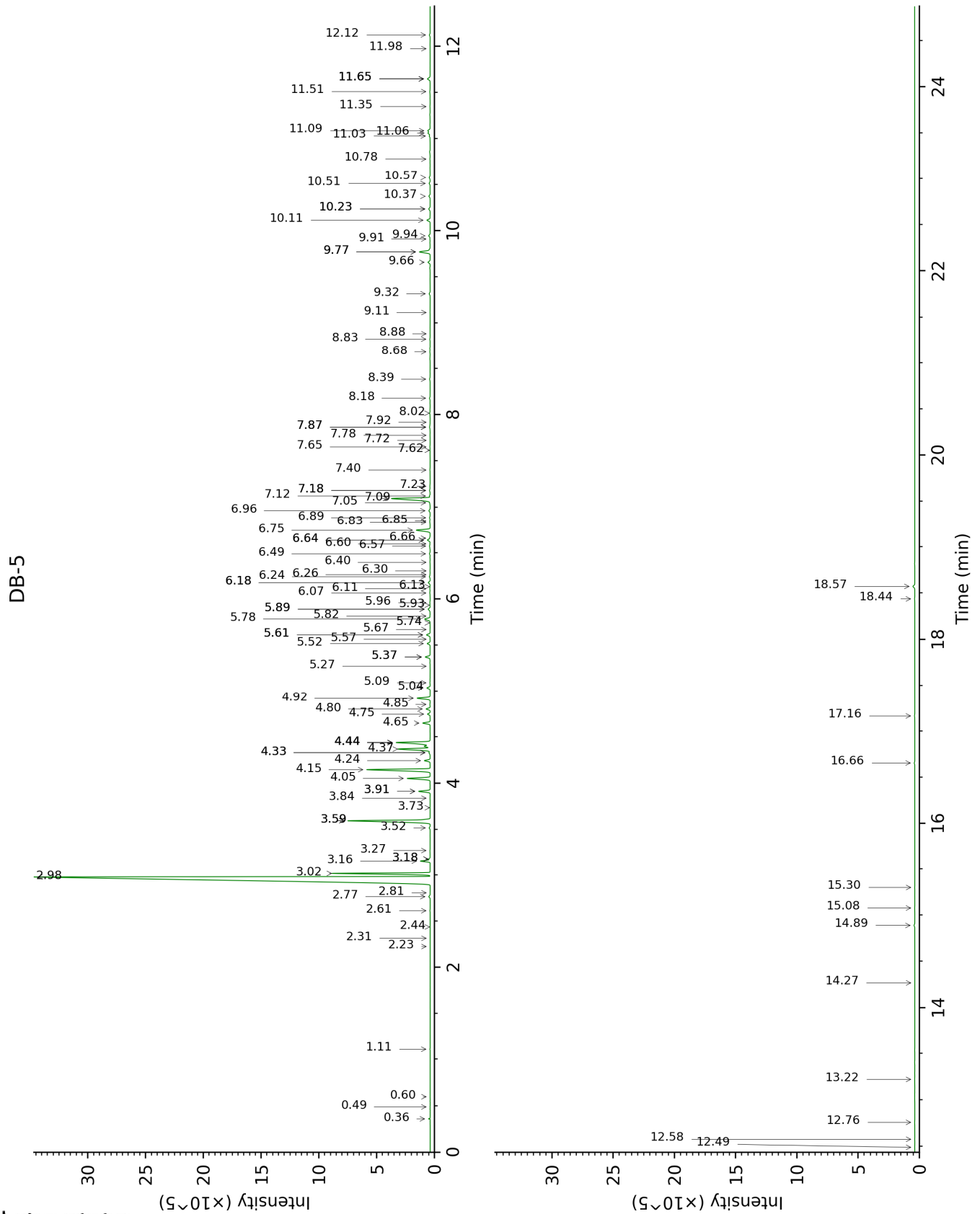
*: Two or more compounds are coeluting on this column

[xx]: Duplicate percentage due to coelutions, not taken account in the identified total

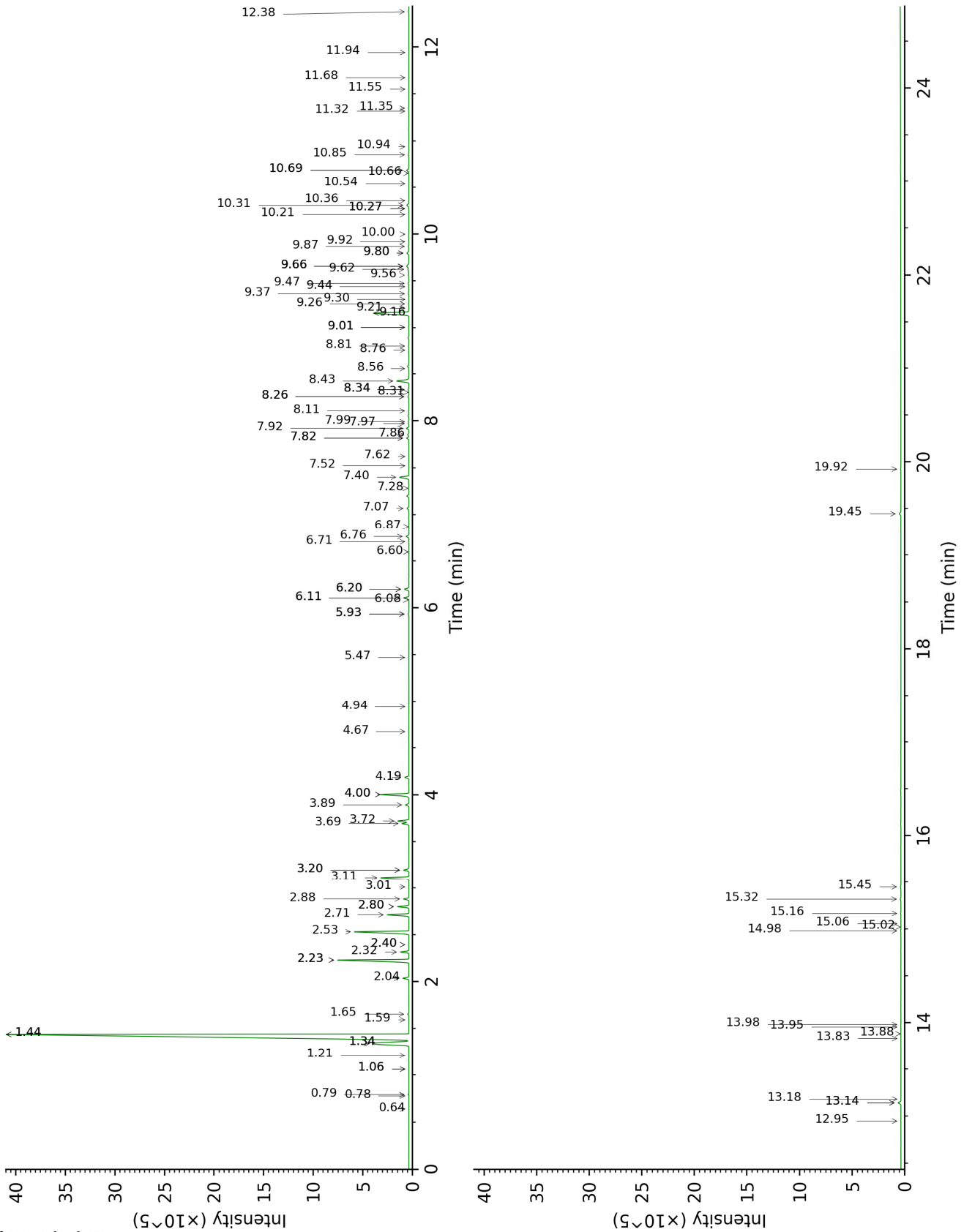
tr: The compound has been detected below 0.005% of total signal.

Note: no correction factor was applied

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DB-WAX



FULL ANALYSIS DATA

Identification	Column DB-5			Column DB-WAX		
	R.T	R.I	%	R.T	R.I	%
Ethanol	0.36	498	0.04	0.79	905	0.03
2-Methylfuran	0.49	606	0.01	0.64	849	tr
3-Methyl-2-butanone	0.60	645	tr	0.78	900	tr
Toluene	1.11	754	0.01	1.44*	1010	61.42
Unknown [m/z 79, 78 (45), 91 (28), 77 (28), 41 (13), 80 (12), 107 (11)... 122 (1)]	2.23	870	tr			
Santene	2.32	878	tr	1.06*	950	tr
Unknown [m/z 93, 91 (75), 121 (61), 77 (58), 79 (38), 92 (26), 43 (24), 41 (23), 105 (22), 107 (19), 136 (16)]	2.44	889	tr	1.06*	950	[tr]
Unknown [m/z 93, 91 (72), 121 (58), 77 (49), 79 (41), 43 (22), 105 (20), 107 (20), 41 (18), 136 (17), 92 (17)]	2.61	904	0.01			
Hashishene	2.76	914	0.10	1.34*	996	5.24
Tricyclene	2.81	916	tr	1.21	975	0.01
α -Thujene	2.98	928	61.49	1.44*	1010	[61.42]
α -Pinene	3.02	931	5.18	1.34*	996	[5.24]
Unknown [m/z 91, 92 (47), 65 (11)... 134 (1)]	3.16	940	0.57	2.32	1097	0.57
Camphene	3.18*	942	0.07	1.65	1032	0.07
α -Fenchene	3.18*	942	[0.07]	1.59	1026	0.01
Thuja-2,4(10)-diene	3.27	948	0.01	2.23*	1089	5.91
meta-Cymene	3.52	964	0.06	2.80*	1138	0.82
Sabinene	3.59*	970	6.31	2.23*	1089	[5.91]
β -Pinene	3.59*	970	[6.31]	2.04	1070	0.41
Pseudolimonene isomer	3.74	979	tr	2.40*	1105	0.02
6-Methyl-5-hepten-2-one	3.84	986	0.01	4.94	1298	0.01
Myrcene	3.91*	991	0.76	2.80*	1138	[0.82]
Dehydro-1,8-cineole	3.91*	991	[0.76]	3.01	1154	0.01
α -Phellandrene	4.05	1000	1.59	2.71	1131	1.59
Δ 3-Carene	4.15	1007	4.65	2.53	1117	4.63
α -Terpinene	4.24	1013	0.39	2.88	1144	0.38
Carvomenthene	4.33*	1018	0.09	2.40*	1105	[0.02]
ortho-Cymene	4.33*	1018	[0.09]	4.00*	1230	2.42
para-Cymene	4.37	1021	2.37	4.00*	1230	[2.42]
Limonene	4.44*	1025	3.05	3.11	1162	2.23
β -Phellandrene	4.44*	1025	[3.05]	3.20*	1168	0.42
1,8-Cineole	4.44*	1025	[3.05]	3.20*	1168	[0.42]
Unknown [m/z 109, 43 (58), 95 (26)... 137	4.44*	1025	[3.05]	6.11*	1382	0.41

(15)...						
(Z)- β -Ocimene	4.65	1038	0.50	3.69	1207	0.52
Unknown [m/z 109, 43 (57), 91 (28), 67 (25), 93 (24), 95 (22), 77 (21), 137 (21), 41 (17), 79 (14)...	4.75	1045	0.17			
(E)- β -Ocimene	4.80	1048	0.27	3.89	1222	0.27
Unknown [m/z 109, 45 (67), 41 (40), 67 (39), 81 (33), 79 (27), 95 (24), 91 (23), 82 (21), 55 (21), 93 (20)...	4.85	1051	0.02			
γ -Terpinene	4.92	1056	0.90	3.72	1209	0.88
<i>cis</i> -Sabinene hydrate	5.04	1063	0.22	6.76	1430	0.23
Unknown [m/z 79, 93 (60), 43 (40), 94 (35), 137 (33), 77 (26), 91 (20), 152 (18)]	5.09	1066	0.01	4.67	1278	0.02
meta-Cymenene	5.27	1078	tr	6.11*	1382	[0.41]
para-Cymenene	5.37*	1084	0.35	6.20*	1389	0.39
Terpinolene	5.37*	1084	[0.35]	4.19	1243	0.33
<i>trans</i> -Sabinene hydrate	5.52	1093	0.20	7.82*	1510	0.19
Unknown [m/z 109, 43 (65), 95 (54), 119 (50), 91 (47)... 149 (8)...	5.56	1096	tr	5.93*	1370	0.07
Linalool	5.61*	1099	0.27	7.86	1512	0.11
α -Thujone	5.61*	1099	[0.27]	5.93*	1370	[0.07]
Unknown [m/z 119, 109 (94), 43 (61), 95 (56), 91 (48), 77 (32), 152 (32), 137 (31), 134 (24)]	5.67	1103	tr	8.34*	1550	0.08
Unknown [m/z 109, 81 (54), 91 (32), 79 (22)...	5.74	1108	tr	6.08	1381	0.01
β -Thujone	5.78	1110	0.47	6.20*	1389	[0.39]
Unknown [m/z 109, 91 (57), 93 (47), 81 (44), 77 (40)... 154 (1)]	5.82	1112	0.01			
Dehydrosabinaketone	5.89*	1117	0.17	8.56	1568	0.02
<i>cis</i> -para-Menth-2-en-1-ol	5.89*	1117	[0.17]	7.92	1518	0.20
α -Campholenal	5.93	1120	0.01	6.87	1439	0.01
Unknown [m/z 111, 43 (22), 55 (14), 41 (12), 110 (11)...	5.96	1122	0.02			
4-Hydroxy-4-methylcyclohex-2-enone	6.06	1128	0.03	13.88	2030	0.02

allo-Ocimene	6.11	1131	0.02	5.47	1336	0.02
<i>cis</i> -para-Mentha-2,8-dien-1-ol	6.13	1133	tr	9.30	1627	0.01
<i>trans</i> -Sabinol	6.18*	1136	0.14	9.62	1653	0.11
<i>trans</i> -Pinocarveol	6.18*	1136	[0.14]	9.01*	1603	0.03
<i>trans</i> -Verbenol	6.24	1140	0.05	9.36	1632	0.05
Epoxyterpinolene	6.26	1141	0.01	6.60	1418	0.02
Unknown [m/z 109, 124 (45), 119 (41), 43 (35), 91 (28), 95 (25)...]	6.30	1144	0.01	6.71	1426	0.03
Unknown [m/z 109, 81 (39), 41 (38), 95 (24)... 152 (1)]	6.40	1150	0.01			
Unknown [m/z 109, 43 (75), 137 (46), 67 (31), 93 (25)... 152 (4)]	6.49	1156	0.05			
Borneol	6.57	1161	0.05	9.66*	1656	0.30
α -Phellandren-8-ol	6.60	1163	0.02	10.00	1684	0.01
Unknown [m/z 95, 110 (43), 81 (28), 41 (15)... 152 (8)]	6.64*	1165	0.22	7.62	1495	tr
<i>cis</i> -Sabinol	6.64*	1165	[0.22]	10.69*	1741	0.21
Umbellulone	6.66	1166	0.02	8.76	1584	0.02
Terpinen-4-ol	6.74	1172	1.07	8.43	1557	1.15
meta-Cymen-8-ol	6.83	1178	0.02	11.32	1796	0.02
Cryptone	6.85	1179	0.03	9.01*	1603	[0.03]
para-Cymen-8-ol	6.89	1181	0.04	11.35	1798	0.04
α -Terpineol	6.96	1186	0.09	9.66*	1656	[0.30]
Myrtenol	7.05	1192	0.02	10.69*	1741	[0.21]
Methylchavicol	7.09	1194	3.41	9.16	1614	3.43
α -Phellandrene epoxide	7.12	1196	0.05	10.85	1756	0.07
Unknown [m/z 109, 91 (100), 81 (88), 94 (75), 119 (74), 96 (73), 41 (63)... 150 (2)]	7.18*	1200	0.05	10.66	1739	0.01
Verbenone	7.18*	1200	[0.05]	9.44	1638	0.02
<i>trans</i> -Piperitol	7.23	1203	0.03	10.21	1701	0.02
Unknown [m/z 43, 93 (73), 91 (40), 109 (31), 77 (28)...]	7.40	1215	0.02			
<i>cis</i> -Carveol	7.62	1229	0.01	11.55	1816	tr
Cuminal	7.65	1232	0.02	10.54	1729	0.01
Carvone	7.72	1236	tr	9.87	1673	0.05
Carvotanacetone	7.78	1240	0.02	9.26	1623	0.04
Piperitone	7.87*	1246	0.06	9.80*	1667	0.21
Unknown [m/z 43, 97 (69), 107 (46), 41 (28), 55 (21), 109 (20)...]	7.87*	1246	[0.06]	10.94	1763	0.01
<i>trans</i> -Sabinene hydrate acetate	7.92	1250	0.01	7.52	1487	0.01
Linalyl acetate	8.02	1256	0.03	7.99	1523	0.03

Unknown [m/z 109, 41 (22), 81 (14), 43 (11)... 152 (4)]	8.18	1267	0.05			
Bornyl acetate	8.39	1281	0.05	8.11	1532	0.05
Thymol	8.68	1301	0.03	14.98	2138	0.03
Carvacrol	8.83	1311	0.03	15.16	2157	0.02
Unknown [m/z 111, 126 (93), 43 (90), 71 (60)...]	8.88	1315	tr	15.02	2142	tr
Unknown [m/z 43, 97 (99), 107 (47), 41 (35), 55 (30)...]	9.11	1331	0.01	13.18	1964	0.01
α -Terpinyl acetate	9.32	1346	0.08	9.56	1648	0.06
α -Copaene	9.66	1370	0.17	7.07	1453	0.18
β -Bourbonene	9.77*	1378	0.95	7.40	1478	0.87
1,5-diepi- β -Bourbonene	9.77*	1378	[0.95]	7.28	1469	0.07
β -Elemene	9.91	1388	0.02	8.31	1548	0.02
Sibirene	9.94	1390	0.12	7.82*	1510	[0.19]
Methyleugenol	10.11	1402	0.25	13.14*	1960	0.24
β -Caryophyllene	10.23*	1411	0.12	8.26*	1544	0.10
β -Ylangene	10.23*	1411	[0.12]	7.97	1522	0.05
β -Copaene	10.37	1421	0.10	8.26*	1544	[0.10]
<i>trans</i> - α -Bergamotene	10.51	1432	0.08	8.34*	1550	[0.08]
Isogermacrene D	10.58	1436	0.07	8.81	1587	0.04
<i>cis</i> -Muurolo-4(15),5-diene	10.78	1452	0.02	9.21	1619	0.01
γ -Muurolole	11.03	1471	0.06	9.48	1641	0.08
Germacrene D	11.06	1473	0.19	9.66*	1656	[0.30]
Unknown [m/z 91, 93 (92), 105 (71), 77 (69), 79 (68), 133 (63)... 204 (32)]	11.09	1475	0.19	9.80*	1667	[0.21]
α -Muurolole	11.35	1494	0.01	9.92	1677	0.02
γ -Cadinene	11.51	1507	0.04	10.27*	1706	0.03
δ -Cadinene	11.65*	1518	0.23	10.31	1709	0.22
Kessane	11.65*	1518	[0.23]	10.36	1713	0.01
Zonarene	11.65*	1518	[0.23]	10.27*	1706	[0.03]
Isocaryophyllene epoxide B	11.98	1543	0.01	11.94	1851	0.01
Elemicin	12.12	1555	0.06	15.32	2172	0.05
Viridiflorol	12.49	1584	0.01	13.83	2025	0.01
Guaiol	12.58	1591	0.01	13.95	2037	0.01
10-epi- γ -Eudesmol	12.76	1605	0.02	13.98	2040	0.02
Unknown [m/z 204, 161 (97), 59 (87), 189 (78), 105 (45)...]	13.22	1643	0.01	15.06	2146	0.01
α -Phellandrene dimer I	14.27	1731	0.01	11.68	1827	tr
α -Phellandrene dimer II	14.89	1786	0.07	12.38	1890	0.07
α -Phellandrene dimer	15.08	1802	0.02	12.95	1942	0.01

III						
α-Phellandrene dimer	15.30	1822	0.01	13.14*	1960	[0.24]
IV						
(3E)-Cembrene A	16.66	1948	0.05	15.45	2185	0.05
Verticilla-4(20),7,11-triene	17.16	1996	0.03			
Cembrenol	18.44	2123	0.02	19.92	2686	0.02
Serratol	18.57	2138	0.17	19.45	2628	0.16
Total identified		98.18%			97.77%	
Total reported		99.37%			98.43%	

*: Two or more compounds are coeluting on this column

[xx]: Duplicate percentage due to coelutions, not taken account in the identified total

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