

Date : July 5, 2022

CERTIFICATE OF ANALYSIS – GC PROFILING

SAMPLE IDENTIFICATION

Internal code : 22F08-PTH01

Customer identification : Turmeric CO2 ORGANIC - Germany - TK0110R

Type : CO2 extract

Source : Curcuma longa

Customer : Plant Therapy

ANALYSIS

Method: Dilution of a known amount with an appropriate solvent, and addition of a methyl octanoate internal standard for quantitation. Application of a correction factor¹. Analysis with PC-MAT-004 - Terpenes and volatiles profiling by response factor (in French); identifications validated by GC-MS.

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

Analysis date : June 14, 2022

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Notes: This report may not be published, including online, without the written consent from Laboratoire PhytoChemia.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

This report is an update from the first version issued on June 15, 2022, to update the batch number.

REFERENCE

- (1) Cachet, T.; Brevard, H.; Chaintreau, A.; Demyttenaere, J.; French, L.; Gassenmeier, K.; Joulain, D.; Koenig, T.; Leijls, H.; Liddle, P.; et al. IOFI Recommended Practice for the Use of Predicted Relative-Response Factors for the Rapid Quantification of Volatile Flavouring Compounds by GC-FID. *Flavour Fragr. J.* 2016, 31 (3), 191–194.

PHYSICOCHEMICAL DATA

Physical aspect: Bright yellow liquid

Refractive index: 1.5136 ± 0.0003 (20 °C; method PC-MAT-016)

CONCLUSION

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

ANALYSIS SUMMARY

Identification	(mg/g)	% m/m	Classe
2,3-Butanediol isomer II	0.28	0.03	Aliphatic alcohol
α-Thujene	0.10	0.01	Monoterpene
α-Pinene	1.02	0.10	Monoterpene
Camphene	0.08	0.01	Monoterpene
Sabinene	0.04	tr	Monoterpene
β-Pinene	0.13	0.01	Monoterpene
6-Methyl-5-hepten-2-one	0.12	0.01	Aliphatic ketone
Myrcene	0.43	0.04	Monoterpene
α-Phellandrene	6.28	0.63	Monoterpene
Δ3-Carene	0.22	0.02	Monoterpene
α-Terpinene	0.16	0.02	Monoterpene
para-Cymene	5.00	0.50	Monoterpene
Limonene	0.98	0.10	Monoterpene
1,8-Cineole	9.03	0.90	Monoterpenic ether
(Z)-β-Ocimene	0.08	0.01	Monoterpene
(E)-β-Ocimene	0.09	0.01	Monoterpene
γ-Terpinene	0.27	0.03	Monoterpene
Terpinolene	0.44	0.04	Monoterpene
para-Cymenene	0.04	tr	Monoterpene
ortho-Guaiacol	0.29	0.03	Simple phenolic
Linalool	0.08	0.01	Monoterpenic alcohol
Camphor	0.14	0.01	Monoterpenic ketone
δ-Terpineol	0.09	0.01	Monoterpenic alcohol
Terpinen-4-ol	0.31	0.03	Monoterpenic alcohol
4-Methylacetophenone	0.18	0.02	Simple phenolic
para-Cymen-8-ol	0.24	0.02	Monoterpenic alcohol
α-Terpineol	0.48	0.05	Monoterpenic alcohol
cis-α-Phellandrene epoxide (iPr vs Me)	0.55	0.06	Monoterpenic ether
Unknown	0.10	0.01	Oxygenated monoterpene
Cuminol	0.11	0.01	Monoterpenic alcohol
Thymol	0.26	0.03	Monoterpenic alcohol
Carvacrol	0.31	0.03	Monoterpenic alcohol
para-Menth-5-en-1,2-diol isomer III	0.71	0.07	Monoterpenic alcohol
Unknown	0.12	0.01	Terpene derivative
Unknown	0.14	0.01	Terpene derivative
Unknown	0.48	0.05	Terpene derivative
Unknown	0.11	0.01	Terpene derivative
Unknown	0.74	0.07	Terpene derivative
Unknown	0.58	0.06	Sesquiterpene
Sesquithujene	0.83	0.08	Sesquiterpene
cis-α-Bergamotene	0.25	0.03	Sesquiterpene
β-Caryophyllene	2.62	0.26	Sesquiterpene
(trans?)-6-Hydroxy-para-menth-1-en-3-one	1.51	0.15	Monoterpenic alcohol
α-Santalene	4.82	0.48	Sesquiterpene
Caryophylla-4(12),8(13)-diene	0.17	0.02	Sesquiterpene
γ-Elemene	1.08	0.11	Sesquiterpene
trans-α-Bergamotene	0.73	0.07	Sesquiterpene

Unknown	2.22	0.22	Unknown
(E)-Vestitenone	0.93	0.09	Terpenic ketone
α-Humulene	1.49	0.15	Sesquiterpene
β-Acoradiene	1.38	0.14	Sesquiterpene
(E)-β-Farnesene	2.45	0.25	Sesquiterpene
γ-Curcumene	0.94	0.09	Sesquiterpene
ar-Curcumene	20.28	2.03	Sesquiterpene
trans-β-Bergamotene	0.53	0.05	Sesquiterpene
Unknown	0.78	0.08	Sesquiterpene
α-Zingiberene	20.19	2.02	Sesquiterpene
Unknown	0.70	0.07	Sesquiterpene
β-Bisabolene	6.56	0.66	Sesquiterpene
Unknown	0.99	0.10	Oxygenated sesquiterpene
β-Curcumene	0.12	0.01	Sesquiterpene
Unknown	9.45	0.95	Oxygenated sesquiterpene
β-Sesquiphellandrene	32.28	3.23	Sesquiterpene
Unknown	1.85	0.19	Sesquiterpene
(E)-γ-Bisabolene	1.60	0.16	Sesquiterpene
Selina-3,7(11)-diene	0.74	0.07	Sesquiterpene
Unknown	0.62	0.06	Sesquiterpene
Germacrene B	2.46	0.25	Sesquiterpene
cis-Sesquisabinene hydrate	0.65	0.07	Sesquiterpenic alcohol
Unknown	1.36	0.14	Oxygenated sesquiterpene
Unknown	[1.36]	0.14	Oxygenated sesquiterpene
(E)-Nerolidol	0.56	0.06	Sesquiterpenic alcohol
Unknown	2.15	0.22	Unknown
Unknown	9.29	0.93	Oxygenated sesquiterpene
ar-Turmerol	6.03	0.60	Sesquiterpenic alcohol
Unknown	2.05	0.21	Oxygenated sesquiterpene
trans-Sesquisabinene hydrate	1.54	0.15	Sesquiterpenic alcohol
ar-Dihydroturmerone	0.68	0.07	Sesquiterpenic ketone
Unknown	5.29	0.53	Oxygenated sesquiterpene
Unknown	1.52	0.15	Oxygenated sesquiterpene
cis-Zingiberenol	4.55	0.46	Sesquiterpenic alcohol
Unknown	5.51	0.55	Oxygenated sesquiterpene
Eremoligenol?	1.52	0.15	Sesquiterpenic alcohol
trans-Zingiberenol	6.92	0.69	Sesquiterpenic alcohol
Unknown	1.77	0.18	Oxygenated sesquiterpene
Unknown	4.24	0.42	Oxygenated sesquiterpene
ar-Turmerone	212.46	21.25	Sesquiterpenic ketone
Unknown	17.15	1.72	Oxygenated sesquiterpene
α-Turmerone	103.74	10.37	Sesquiterpenic ketone
(E)-α-Santalal	0.73	0.07	Sesquiterpenic aldehyde
Unknown	1.23	0.12	Oxygenated sesquiterpene
Unknown	6.57	0.66	Oxygenated sesquiterpene
Unknown	2.32	0.23	Oxygenated sesquiterpene
β-Turmerone	112.34	11.23	Sesquiterpenic ketone
(E)-γ-Atlantone	0.66	0.07	Sesquiterpenic ketone
(Z)-α-Atlantone	3.32	0.33	Sesquiterpenic ketone
Curcuphenol	1.37	0.14	Sesquiterpenic alcohol
(6S,7R)-Bisabolone	8.52	0.85	Sesquiterpenic ketone
Unknown	0.57	0.06	Oxygenated sesquiterpene

Xanthorizzhol?	0.97	0.10	Sesquiterpenic alcohol
Unknown	2.86	0.29	Unknown
Unknown	5.42	0.54	Oxygenated sesquiterpene
Unknown	8.98	0.90	Oxygenated sesquiterpene
(E)- α -Atlantone	16.91	1.69	Sesquiterpenic ketone
Unknown	2.96	0.30	Oxygenated sesquiterpene
Unknown	0.32	0.03	Oxygenated sesquiterpene
Unknown	4.16	0.42	Oxygenated sesquiterpene
Unknown	0.91	0.09	Oxygenated sesquiterpene
Unknown	9.48	0.95	Unknown
Unknown	1.06	0.11	Oxygenated sesquiterpene
Unknown	1.25	0.13	Oxygenated sesquiterpene
Unknown	0.70	0.07	Oxygenated sesquiterpene
Unknown	1.01	0.10	Oxygenated sesquiterpene
Unknown	1.24	0.12	Oxygenated sesquiterpene
Unknown	0.32	0.03	Oxygenated sesquiterpene
Unknown	1.03	0.10	Oxygenated sesquiterpene
Unknown	8.50	0.85	Oxygenated sesquiterpene
Unknown	0.24	0.02	Unknown
Unknown	3.90	0.39	Unknown
Unknown	0.43	0.04	Oxygenated sesquiterpene
Unknown	0.86	0.09	Oxygenated sesquiterpene
Tumeronol B?	0.92	0.09	Sesquiterpenic alcohol
Tumeronol A	4.41	0.44	Sesquiterpenic alcohol
Unknown	0.71	0.07	Oxygenated sesquiterpene
Palmitic acid	3.11	0.31	Aliphatic acid
Unknown	3.87	0.39	Oxygenated sesquiterpene
Unknown	0.74	0.07	Oxygenated sesquiterpene
Unknown	0.11	0.01	Oxygenated sesquiterpene
Stearic acid	4.92	0.49	Aliphatic acid
Consolidated total	770.28 mg/g	77.03%	

*: Individual compounds concentration could not be found due to overlapping coelutions on columns considered

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

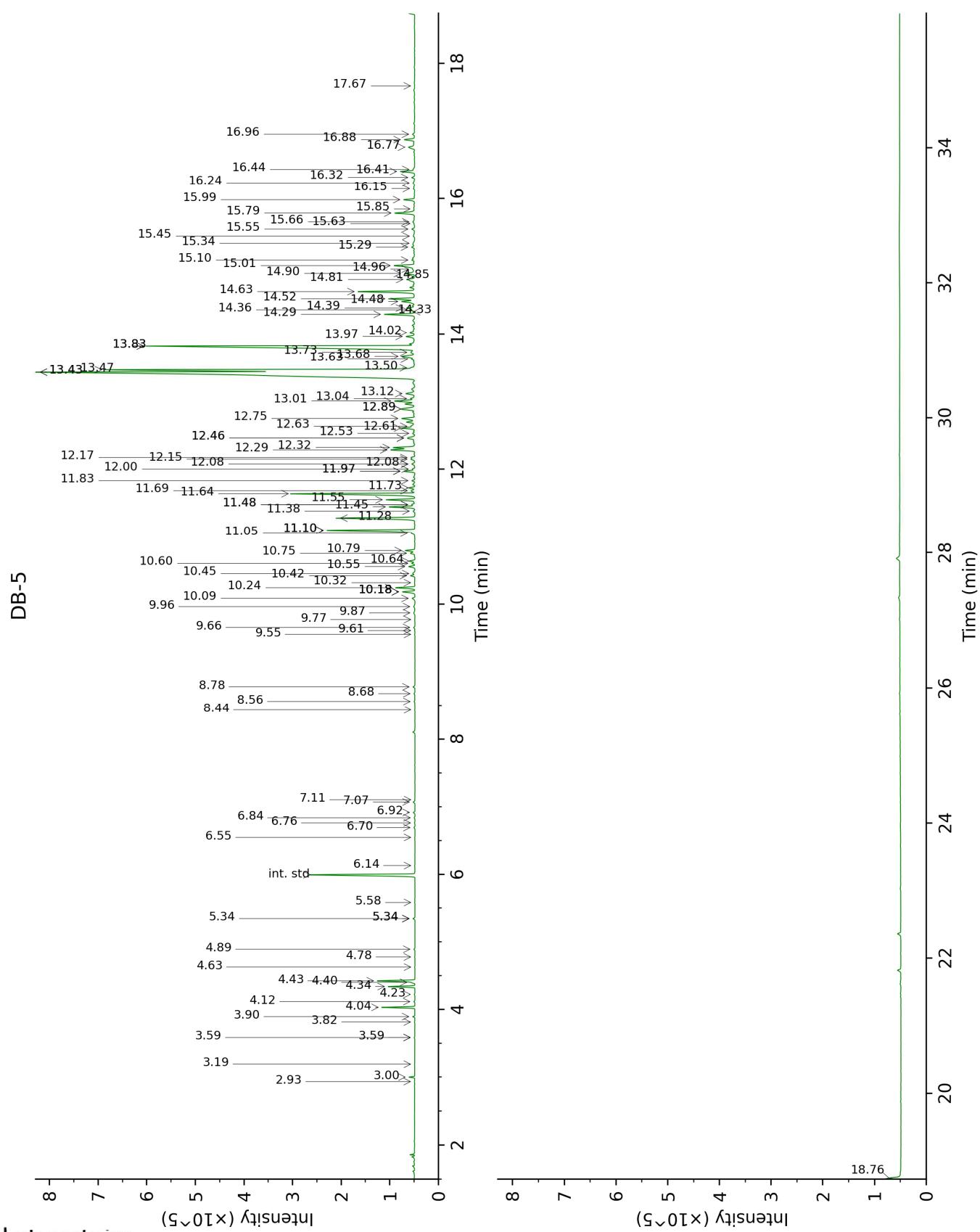
tr: The compound has been detected below 0.005% of total signal.

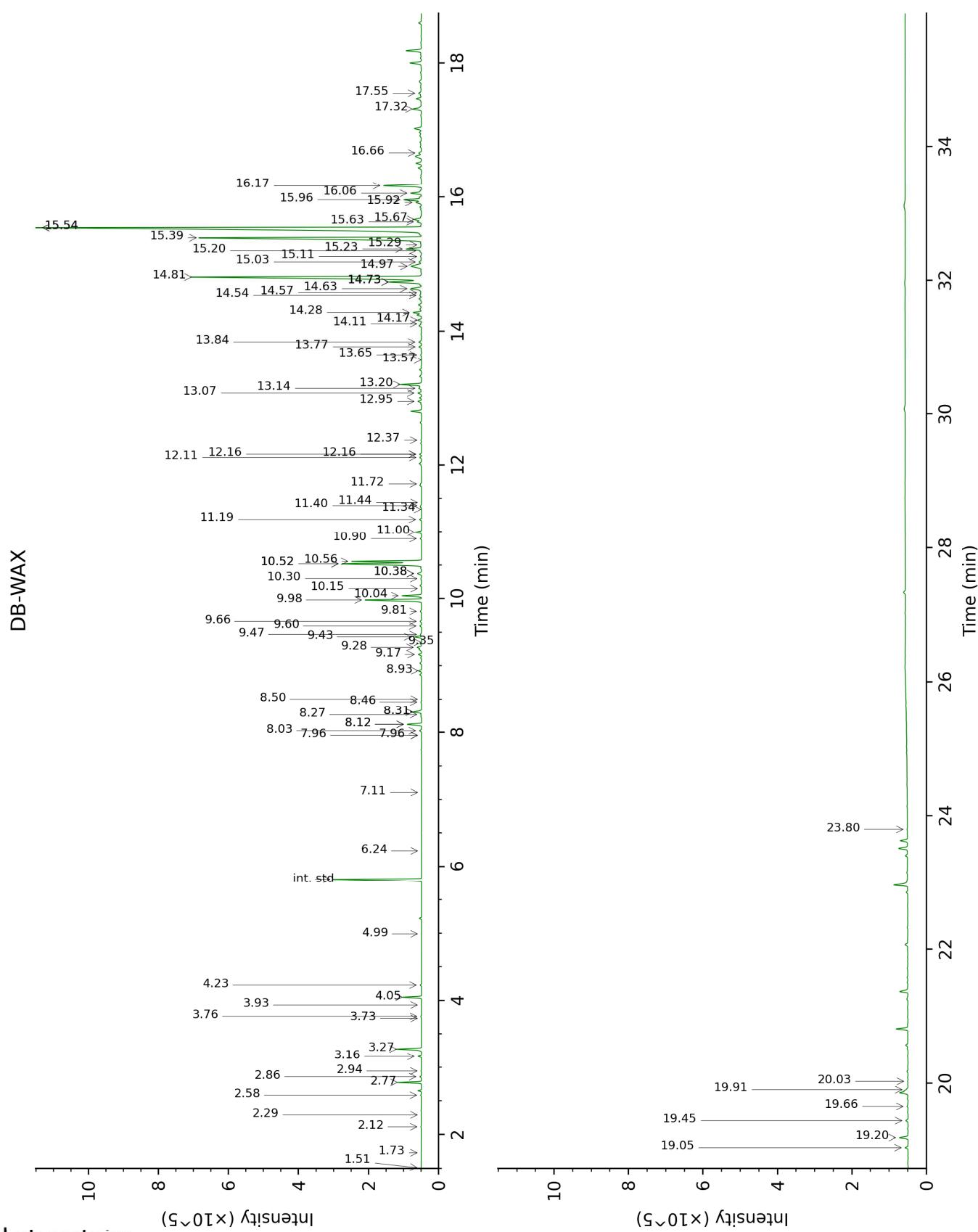
Individual compounds contents were corrected following the method of Cachet et al., 2016 (Flavour and Fragrance Journal guidelines).

Unknown compounds are expressed in equivalents of internal standard without correction.

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.





FULL ANALYSIS DATA

Identification	Column DB-5			Column DB-WAX		
	R.T	R.I	mg/g	R.T	R.I	mg/g
2,3-Butanediol isomer II	1.46	808	0.28	7.96*	1515	0.16
α-Thujene	2.93	928	0.10	1.51	1010	0.07
α-Pinene	3.00	933	1.02	1.43	1003	0.96
Camphene	3.19	946	0.08	1.73	1033	0.03
Sabinene	3.59*	973	0.17	2.29	1090	0.04
β-Pinene	3.59*	973	[0.17]	2.12	1072	0.13
6-Methyl-5-hepten-2-one	3.82	988	0.12	4.99	1296	0.10
Myrcene	3.90	994	0.43	2.86	1136	0.41
α-Phellandrene	4.04	1003	6.28	2.77	1130	6.35
Δ3-Carene	4.12	1008	0.22	2.58	1114	0.24
α-Terpinene	4.23	1015	0.16	2.94	1143	0.13
para-Cymene	4.34	1023	5.00	4.05	1230	5.07
Limonene	4.40†	1027	8.86	3.16	1161	0.98
1,8-Cineole	4.43†	1028	[10.07]	3.28	1170	9.03
(Z)-β-Ocimene	4.63	1041	0.08	3.73	1206	0.04
(E)-β-Ocimene	4.78	1050	0.09	3.93	1222	0.10
γ-Terpinene	4.89	1058	0.27	3.76	1209	0.21
Terpinolene	5.34*	1087	0.49	4.23	1244	0.44
para-Cymenene	5.34*	1087	[0.45]	6.24	1386	0.04
ortho-Guaiacol	5.34*	1087	[0.66]	11.40	1795	0.29
Linalool	5.58	1102	0.08	7.96*	1515	[0.10]
Camphor	6.14	1138	0.14	7.11	1451	0.04
δ-Terpineol	6.55	1165	0.09	9.35	1625	0.11
Terpinen-4-ol	6.70	1174	0.31	8.46	1554	0.31
4-Methylacetophenone	6.76	1179	0.18	10.38*	1708	1.98
para-Cymen-8-ol	6.84	1184	0.24	11.44	1799	0.11
α-Terpineol	6.92	1189	0.48	9.66	1650	0.69
cis-α-Phellandrene epoxide (iPr vs Me)	7.07	1199	0.55	10.90	1753	0.55
Unknown [m/z 119, 91 (37), 77 (18), 117 (17), 79 (12), 120 (11)... 148? (8)]	7.11	1201	0.10			
Cuminol	8.44	1292	0.11	14.11	2044	0.30
Thymol	8.56	1301	0.26	15.03	2135	1.04
Carvacrol	8.68	1306	0.31	15.29	2160	0.28
para-Menth-5-en-1,2-diol isomer III	8.78	1313	0.71	15.11	2143	0.70
Unknown [m/z 105, 91 (66), 120 (53), 93 (48), 77 (47), 71 (46), 43 (37), 145 (22)... 178 (2)]	9.56	1368	0.12	11.34	1790	0.14
Unknown [m/z 105, 120 (38), 145 (37),	9.61	1372	0.14			

Laboratoire
PhytoChemia

Plus que des analyses... des conseils

121 (34), 93 (28), 91 (26)...						
Unknown [m/z 119, 161 (36), 43 (33), 176 (26), 91 (24), 105 (22)]	9.66	1375	0.48	12.37	1882	0.38
Unknown [m/z 119, 145 (75), 105 (40), 91 (38), 120 (26), 117 (18)... 178 (8)]	9.77	1383	0.11	13.57	1992	0.13
Unknown [m/z 43, 105 (50), 120 (40), 145 (36), 119 (33), 93 (30)... 176 (6)]	9.87	1390	0.74			
Unknown [m/z 119, 93 (83), 91 (51), 77 (32), 41 (31)... 202 (16)]	9.96	1397	0.58	8.27	1539	0.42
Sesquithujene	10.09	1406	0.83	8.03	1520	0.76
cis- α -Bergamotene	10.18*	1413	3.43	8.12*	1528	5.07
β -Caryophyllene	10.18*	1413	[3.43]	8.31*	1542	3.35
(trans?)-6-Hydroxy-para-menth-1-en-3-one	10.18*	1413	[4.65]	16.66	2303	1.51
α -Santalene	10.24	1418	4.82	8.12*	1528	[5.07]
Caryophylla-4(12),8(13)-diene	10.32	1423	0.17	8.50	1557	0.13
γ -Elemene	10.42	1431	1.08	8.93	1590	1.10
trans- α -Bergamotene	10.45	1433	0.73	8.31*	1542	[3.35]
Unknown [m/z 91, 129 (98), 143 (94), 185 (81), 200 (76)...]	10.56	1441	2.22			
(E)-Vestitenone	10.60	1444	0.93	12.11	1859	0.76
α -Humulene	10.64	1447	1.49	9.17	1610	1.19
β -Acoradiene	10.75	1456	1.38	9.28	1618	1.69
(E)- β -Farnesene	10.79	1459	2.45	9.43	1631	2.27
γ -Curcumene	11.05	1478	0.94	9.60	1644	0.66
ar-Curcumene	11.10*	1482	21.34	10.56†	1724	[51.65]
trans- β -Bergamotene	11.10*	1482	[22.67]	9.47	1634	0.53
Unknown [m/z 95, 119 (77), 91 (72), 105 (64), 202 (63), 93 (61), 145 (57), 131 (56)]	11.10*	1482	[30.18]	9.81	1662	0.78
α -Zingiberene	11.28	1495	20.19	9.98	1676	20.23
Unknown [m/z 119, 91 (14), 120 (10), 117 (9)... 200? (2)]	11.38	1503	0.70	11.72	1824	0.40
β -Bisabolene	11.44	1508	6.56	10.04	1681	6.67
Unknown [m/z 93, 91 (62), 119 (57), 105 (44), 43 (43)... 220? (1)]	11.48*	1511	1.15			
β -Curcumene	11.48*	1511	[0.86]	10.15	1690	0.12

Laboratoire
PhytoChemia

Plus que des analyses... des conseils

Unknown [m/z 121, 93 (56), 91 (12), 94 (11), 122 (10)...220]	11.55	1516	9.45	13.20	1958	9.88
β-Sesquiphellandrene	11.64	1523	32.28	10.52*†	1721	54.88
Unknown [m/z 91, 79 (97), 119 (91), 105 (75), 159 (65), 93 (61)...202(14)]	11.68	1527	1.85	11.19	1777	0.97
(E)-γ-Bisabolene	11.73	1530	1.60	10.38*	1708	[1.77]
Selina-3,7(11)-diene	11.83	1539	0.74	10.52*†	1721	[54.88]
Unknown [m/z 91, 93 (82), 79 (79), 77 (68), 67 (55), 41 (49)... 202 (12)]	11.97*	1550	3.93	10.30	1702	0.62
Germacrene B	11.97*	1550	[2.95]	11.00	1761	2.46
cis-Sesquisabinene hydrate	12.00	1552	0.65	13.14	1952	1.08
Unknown [m/z 138, 96 (100), 95 (85), 109 (74), 110 (60), 105 (57)... 220 (10)]	12.08*	1558	1.36	12.16*	1863	0.90
Unknown [m/z 96, 138 (97), 95 (70), 109 (69), 67 (49), 110 (49), 41 (43), 79 (42)... 220 (10)]	12.08*	1558	[1.36]	12.16*	1863	[0.90]
(E)-Nerolidol	12.15†	1564	2.33	13.65	2000	0.56
Unknown [m/z 109, 67 (30), 43 (24), 91 (19)...]	12.17†	1566	[2.84]			
Unknown [m/z 105, 83 (65), 120 (41), 119 (35), 91 (29), 55 (22)... 218? (t)]	12.29	1574	9.29	12.95	1934	1.75
α-Turmerol	12.32	1577	6.03	15.23	2154	6.20
Unknown [m/z 43, 91 (63), 41 (61), 79 (58), 95 (49), 93 (47)... 202 (36)...]	12.46*	1588	3.93			
trans-Sesquisabinene hydrate	12.46*	1588	[3.22]	14.17	2050	1.54
α-Dihydroturmerone	12.53	1594	0.68	13.77	2011	1.02
Unknown [m/z 119, 132 (17), 91 (12), 120 (10), 117 (9)... 216? (2)]	12.61	1600	5.29	14.64	2095	7.04
Unknown [m/z 94, 79 (81), 91 (44), 43 (40), 125 (34), 77 (33), 93 (30)... 218 (11)]	12.63	1602	1.52	13.07	1946	1.92
cis-Zingiberenol	12.75	1612	4.55	14.28	2060	3.39

Unknown [m/z 119, 85 (92), 105 (37), 120 (36), 91 (28)... 218 (6)]	12.89*	1623	7.36	16.06	2239	5.51
Eremoligenol?	12.89*	1623	[6.03]	14.74*	2105	15.57
<i>trans</i> -Zingiberenol	13.01	1633	6.92	14.97	2128	7.41
Unknown [m/z 120, 91 (29), 43 (25), 93 (23), 77 (21)... 218 (1)]	13.04	1636	1.77	13.84	2018	1.64
Unknown [m/z 83, 109 (45), 43 (43), 55 (36), 41 (35)... 220 (3)]	13.12	1642	4.24	15.67	2199	4.09
α -Turmerone	13.43*	1668	234.93	15.54*	2186	215.57
Unknown [m/z 105, 119 (63), 120 (45), 83 (44), 91 (16)... 218 (9)]	13.43*	1668	[297.41]	14.74*	2105	[19.00]
α -Turmerone (E)- α -Santalal	13.47 13.50	1671 1674	103.74 0.73	14.81 14.57	2112 2089	111.28 0.38
Unknown [m/z 69, 41 (90), 123 (74), 122 (51)... 206 (14), 218 (2)]	13.63	1684	1.23	15.63	2195	2.03
Unknown [m/z 137, 119 (70), 84 (69), 41 (68), 69 (53), 55 (45), 109 (38)... 222 (2)]	13.68	1688	6.57	15.92	2225	3.12
Unknown [m/z 199, 132 (99), 59 (25), 91 (20), 117 (19), 43 (14)... 216? (6)]	13.73	1693	2.32	17.55	2400	1.88
β -Turmerone	13.83*	1701	115.72	15.39	2171	112.34
(E)- γ -Atlantone	13.83*	1701	[115.72]	15.20	2152	0.66
(Z)- α -Atlantone	13.97	1713	3.32	15.54*	2186	[229.50]
Curcuphenol	14.02	1718	1.37	19.05	2570	1.06
(6S,7R)-Bisabolone	14.29	1742	8.52	15.96	2229	7.43
Unknown [m/z 120, 91 (22), 59 (20), 121 (19), 105 (15)... 218 (1)]	14.33	1745	0.57	14.54	2085	1.17
Xanthorizzhol?	14.36	1748	0.97	19.66	2642	0.52
Unknown [m/z 83, 105 (81), 93 (74), 120 (71), 109 (65), 91 (58)...]	14.39	1750	2.86			
Unknown [m/z 83, 55 (21), 43 (13), 41 (9), 91 (8)... 234? (1)]	14.48	1758	5.42	17.32	2374	5.39
Unknown [m/z 119, 83 (30), 91 (14), 120 (11), 114 (9)... 234 (1)]	14.52	1762	8.98			
(E)- α -Atlantone	14.63	1771	16.91	16.17	2251	15.58
Unknown [m/z 95, 136 (77), 83 (68), 125	14.81	1787	2.96	19.20	2587	4.81

(55), 109 (40), 110 (39)... 234 (7)]						
Unknown [m/z 83, 120 (39), 121 (38), 119 (30), 123 (29), 55 (19)...218 (5)]	14.85	1790	0.32			
Unknown [m/z 83, 93 (61), 55 (24), 94 (24), 43 (22), 91 (19)... 234? (1)]	14.90	1794	4.16			
Unknown [m/z 69, 43 (95), 41 (84), 109 (78), 95 (54), 93 (49)... 177 (36), 220 (2)...]	14.96	1800	0.91	19.91	2672	0.74
Unknown [m/z 83, 121 (74), 114 (74), 93 (40), 55 (20), 91 (20)...]	15.01	1805	9.48			
Unknown [m/z 83, 119 (56), 95 (53), 234 (32), 91 (30)]	15.10	1812	1.06	19.45	2617	1.36
Unknown [m/z 83, 136 (51), 43 (46), 109 (29), 55 (26), 119 (22)...234 (1)]	15.29	1830	1.25			
Unknown [m/z 83, 136 (36), 55 (26), 109 (21), 79 (17), 43 (16)... 232 (11)]	15.34	1835	0.70			
Unknown [m/z 43, 83 (37), 109 (21), 55 (19), 111 (17)...]	15.45	1844	1.01			
Unknown [m/z 83, 107 (37), 43 (32), 135 (30), 55 (27)...]	15.55	1854	1.24			
Unknown [m/z 83, 123 (44), 55 (20), 98 (10)...]	15.63	1861	0.32	20.03	2687	0.22
Unknown [m/z 118, 83 (68), 55 (25), 117 (20), 43 (16)... 232 (1)]	15.66	1864	1.03			
Unknown [m/z 83, 43 (24), 55 (21), 109 (15), 135 (14)... 232 (1)]	15.79	1875	8.50			
Unknown [m/z 118, 83 (89), 135 (58), 117 (20), 55 (19), 136 (18)...]	15.85	1881	0.24			
Unknown [m/z 83, 137 (86), 110 (70), 109 (31), 95 (29)...]	15.99	1893	3.90			

Unknown [m/z 83, 43 (14), 55 (14), 92 (7), 91 (7)... 232 (1)]	16.15	1909	0.43		
Unknown [m/z 83, 55 (15), 43 (14), 91 (8)... 232 (1)]	16.24	1917	0.86		
Tumeronol B?	16.32	1925	0.92		
Tumeronol A	16.41	1934	4.41		
Unknown [m/z 83, 149 (24), 135 (24), 55 (24), 43 (13)... 232 (3)]	16.44	1936	0.71		
Palmitic acid	16.77	1968	3.11		
Unknown [m/z 83, 55 (22), 43 (22), 119 (19), 41 (10)...]	16.88	1978	3.87		
Unknown [m/z 83, 43 (22), 55 (20), 98 (14), 119 (14)...]	16.96	1986	0.74	23.80	3183
Unknown [m/z 83, 135 (32), 55 (26), 125 (18), 41 (13), 109 (12)... 248 (1)]	17.67	2056	0.11		
Stearic acid	18.76	2167	4.92		

*: Two or more compounds are coeluting on this column

[xx]: Duplicate percentage due to coelutions, not 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.

Individual compounds contents were corrected following the method of Cachet et al., 2016 (Flavour and Fragrance Journal guidelines).

Unknown compounds are expressed in equivalents of internal standard without correction.

R.T.: Retention time (minutes)

R.I.: Retention index