

Date : August 26, 2021

CERTIFICATE OF ANALYSIS – GC PROFILING

SAMPLE IDENTIFICATION

**Internal code** : 21H12-PTH01

**Customer identification** : Laurel Leaf - L10107216R

**Type** : Essential oil

**Source** : *Laurus nobilis*

**Customer** : Plant Therapy

ANALYSIS

**Method**: PC-MAT-014  - 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** : August 25, 2021

Checked and approved by :

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Alexis St-Gelais, M. Sc., Chimiste 2013-174

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*PHYSICOCHEMICAL DATA*

**Physical aspect:** Faintly yellow liquid

**Refractive index:**  $1.4680 \pm 0.0003$  (20 °C; method PC-MAT-016)

*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
Methylcyclopentadiene isomer I	tr	Alkene
Isovaleral	tr	Aliphatic aldehyde
3-Methyl-1-penten-3-ol	tr	Aliphatic alcohol
1-Methylpyrrole	0.01	Pyrrole
Ethyl isobutyrate	tr	Aliphatic ester
Toluene	0.01	Simple phenolic
Hexanal	tr	Aliphatic aldehyde
Isopropyl isobutyrate	tr	Aliphatic ester
3-Methyl-2-butyl acetate	tr	Aliphatic ester
Ethyl 2-methylbutyrate	0.01	Aliphatic ester
Ethyl isovalerate	tr	Aliphatic ester
(3Z)-Hexenol	0.03	Aliphatic alcohol
Hexanol	tr	Aliphatic alcohol
Isopropyl 2-methylbutyrate	0.01	Aliphatic ester
Tricyclene	0.03	Monoterpene
$\alpha$ -Thujene	0.25	Monoterpene
$\alpha$ -Pinene	6.37	Monoterpene
Camphene	0.49	Monoterpene
Thujadiene isomer	0.01	Monoterpene
$\alpha$ -Fenchene	0.03	Monoterpene
$\beta$ -Pinene	4.44	Monoterpene
Sabinene	6.88	Monoterpene
6-Methyl-5-hepten-2-one	0.01	Aliphatic ketone
Dehydro-1,8-cineole	0.10	Monoterpenic ether
Myrcene	0.97	Monoterpene
Pseudolimonene	0.05	Monoterpene
$\alpha$ -Phellandrene	0.26	Monoterpene
Isobutyl 2-methylbutyrate	0.01	Aliphatic ester
$\Delta^3$ -Carene	0.09	Monoterpene
(3Z)-Hexenyl acetate	0.01	Aliphatic ester
$\alpha$ -Terpinene	0.37	Monoterpene
Unknown	0.01	Unknown
para-Cymene	1.56	Monoterpene
Limonene	2.57	Monoterpene
1,8-Cineole	46.28	Monoterpenic ether
(Z)- $\beta$ -Ocimene	0.02	Monoterpene
Unknown	0.01	Unknown
(E)- $\beta$ -Ocimene	0.05	Monoterpene
$\gamma$ -Terpinene	1.00	Monoterpene
cis-Sabinene hydrate	0.11	Monoterpenic alcohol
para-Mentha-3,8-diene	0.01	Monoterpene
cis-Linalool oxide (fur.)	0.02	Monoterpenic alcohol
trans-Linalool oxide (fur.)	0.02	Monoterpenic alcohol
Terpinolene	0.26	Monoterpene
para-Cymenene	0.02	Monoterpene

2-Nonanone	0.01	Aliphatic ketone
<i>trans</i> -Sabinene hydrate	0.08	Monoterpenic alcohol
Linalool	6.76	Monoterpenic alcohol
Unknown	0.05	Unknown
Hotrienol	0.01	Monoterpenic alcohol
endo-Fenchol	0.01	Monoterpenic alcohol
Unknown	tr	Unknown
<i>cis</i> -para-Menth-2-en-1-ol	0.07	Monoterpenic alcohol
Limona ketone	0.01	Normonoterpenic ketone
<i>trans</i> -Pinocarveol	0.09	Monoterpenic alcohol
<i>trans</i> -para-Menth-2-en-1-ol	0.04	Monoterpenic alcohol
Camphor	0.76	Monoterpenic ketone
<i>trans</i> -Verbenol	0.02	Monoterpenic alcohol
Sabinaketone	0.02	Normonoterpenic ketone
Nerol oxide	0.01	Aliphatic ether
Pinocarvone	0.06	Monoterpenic ketone
( <i>E</i> )-2,6-Dimethyl-1,5,7-octatrien-3-ol	tr	Monoterpenic alcohol
Borneol	0.27	Monoterpenic alcohol
$\delta$ -Terpineol	0.24	Monoterpenic alcohol
Rosefuran oxide	0.04	Monoterpenic ether
Terpinen-4-ol	2.64	Monoterpenic alcohol
Thuj-3-en-10-al	0.02	Monoterpenic aldehyde
para-Cymen-8-ol	0.03	Monoterpenic alcohol
$\alpha$ -Terpineol	3.12	Monoterpenic alcohol
Myrtenal	0.03	Monoterpenic aldehyde
<i>cis</i> -Piperitol	0.04	Monoterpenic alcohol
Myrtenol	0.04	Monoterpenic alcohol
Methylchavicol	0.02	Phenylpropanoid
<i>trans</i> -Piperitol	0.02	Monoterpenic alcohol
<i>trans</i> -Carveol	0.01	Monoterpenic alcohol
1-para-Menthen-9-al	0.01	Monoterpenic aldehyde
<i>cis</i> -para-Mentha-1(7),8-dien-2-ol	0.02	Monoterpenic alcohol
Nerol	0.07	Monoterpenic alcohol
Citronellol	0.02	Monoterpenic alcohol
Carvone	0.02	Monoterpenic ketone
Geraniol	0.02	Monoterpenic alcohol
Linalyl acetate	0.06	Monoterpenic ester
Chavicol	tr	Phenylpropanoid
Geranial	0.01	Monoterpenic aldehyde
4-Thujen-2 $\alpha$ -yl acetate	0.05	Monoterpenic ester
Bornyl acetate	0.15	Monoterpenic ester
para-Cymen-7-ol	0.02	Monoterpenic alcohol
2-Undecanone	0.04	Aliphatic ketone
<i>trans</i> -Pinocarvyl acetate	0.02	Monoterpenic ester
Thymol	0.01	Monoterpenic alcohol
Carvacrol	0.03	Monoterpenic alcohol
$\delta$ -Terpinyl acetate	0.28	Monoterpenic ester
Unknown	tr	Unknown
para-Mentha-1,4-dien-7-ol	0.01	Monoterpenic alcohol
exo-2-Hydroxycineole acetate	0.07	Monoterpenic ester
$\alpha$ -Cubebene	0.04	Sesquiterpene
$\alpha$ -Terpinyl acetate	4.57	Monoterpenic ester

Eugenol	1.27	Phenylpropanoid
Neryl acetate	0.05	Monoterpenic ester
$\alpha$ -Ylangene	0.03	Sesquiterpene
$\alpha$ -Copaene	0.03	Sesquiterpene
$\beta$ -Bourbonene	0.01	Sesquiterpene
Geranyl acetate	tr	Monoterpenic ester
$\beta$ -Cubebene	0.02	Sesquiterpene
$\beta$ -Elemene	0.13	Sesquiterpene
Methyleugenol	2.70	Phenylpropanoid
$\beta$ -Caryophyllene	0.75	Sesquiterpene
$\beta$ -Copaene	tr	Sesquiterpene
Aromadendrene	0.02	Sesquiterpene
$\alpha$ -Guaiene	0.02	Sesquiterpene
6,9-Guaiadiene	0.01	Sesquiterpene
( <i>E</i> )-Cinnamyl acetate	0.05	Phenylpropanoid ester
$\alpha$ -Humulene	0.07	Sesquiterpene
Selina-4(15),7-diene	0.03	Sesquiterpene
allo-Aromadendrene	0.02	Sesquiterpene
<i>cis</i> -Muurolo-4(15),5-diene	0.01	Sesquiterpene
Unknown	0.03	Unknown
$\gamma$ -Muurolole	0.02	Sesquiterpene
Germacrene D	0.04	Sesquiterpene
$\beta$ -Selinene	0.04	Sesquiterpene
$\alpha$ -Selinene	0.04	Sesquiterpene
Viridiflorene	0.01	Sesquiterpene
Bicyclogermacrene	0.04	Sesquiterpene
(3 <i>Z</i> ,6 <i>E</i> )- $\alpha$ -Farnesene	0.04	Sesquiterpene
Germacrene A	tr	Sesquiterpene
$\alpha$ -Muurolole	0.07	Sesquiterpene
$\delta$ -Amorphene	0.01	Sesquiterpene
$\gamma$ -Cadinene	0.08	Sesquiterpene
$\delta$ -Cadinene	0.09	Sesquiterpene
<i>trans</i> -Cadina-1,4-diene	0.01	Sesquiterpene
$\alpha$ -Calacorene	0.01	Sesquiterpene
( <i>E</i> )- $\alpha$ -Bisabolene	0.04	Sesquiterpene
Elemicin	0.03	Phenylpropanoid
Germacrene D-4-ol	0.01	Sesquiterpenic alcohol
Spathulenol	0.07	Sesquiterpenic alcohol
Caryophyllene oxide	0.13	Sesquiterpenic ether
Caryophyllene oxide isomer	0.01	Sesquiterpenic ether
Globulol	0.03	Sesquiterpenic alcohol
Viridiflorol	0.02	Sesquiterpenic alcohol
Unknown	0.02	Oxygenated sesquiterpene
Ledol	0.02	Sesquiterpenic alcohol
Humulene epoxide II	0.01	Sesquiterpenic ether
Junenol	0.03	Sesquiterpenic alcohol
Eremoligenol?	0.02	Sesquiterpenic alcohol
Caryophylladienol II	0.04	Sesquiterpenic alcohol
$\tau$ -Cadinol	0.02	Sesquiterpenic alcohol
$\tau$ -Muurolol	0.01	Sesquiterpenic alcohol
$\beta$ -Eudesmol	0.05	Sesquiterpenic alcohol
$\alpha$ -Eudesmol	0.02	Sesquiterpenic alcohol

(E)-Isoelemicin	0.03	Phenylpropanoid
Unknown	0.01	Unknown
Unknown	0.02	Aliphatic ester
Germacre-4(15),5,10(14)-trien-1-ol isomer	0.02	Sesquiterpenic alcohol
Shyobunol	0.02	Sesquiterpenic alcohol
Gazaniolide	tr	Sesquiterpenic lactone
Dehydrocostus lactone	0.01	Sesquiterpenic lactone
Eremanthin	0.01	Sesquiterpenic lactone
<b>Consolidated total</b>	<b>98.92%</b>	

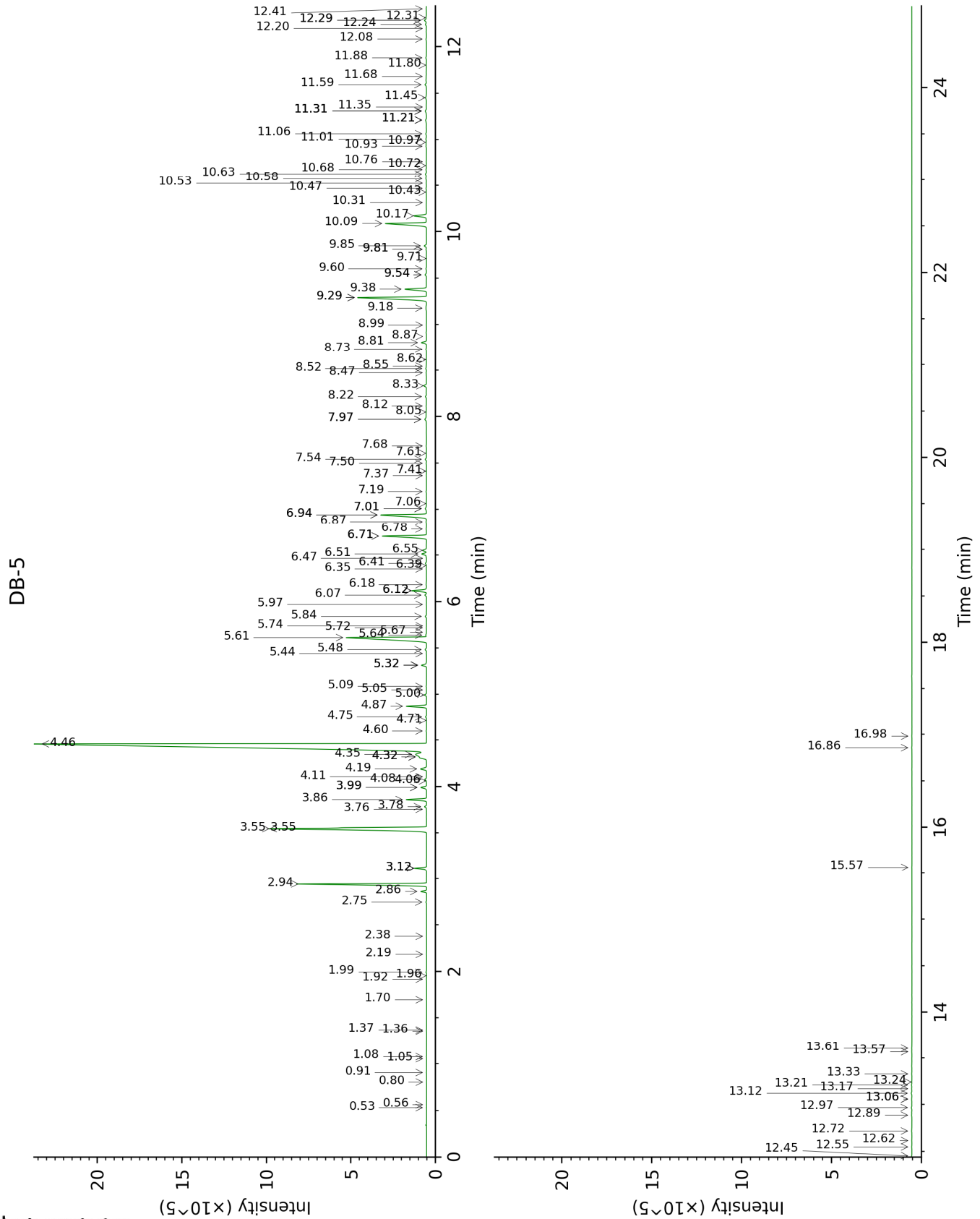
tr: The compound has been detected below 0.005% of total signal.

Note: no correction factor was applied

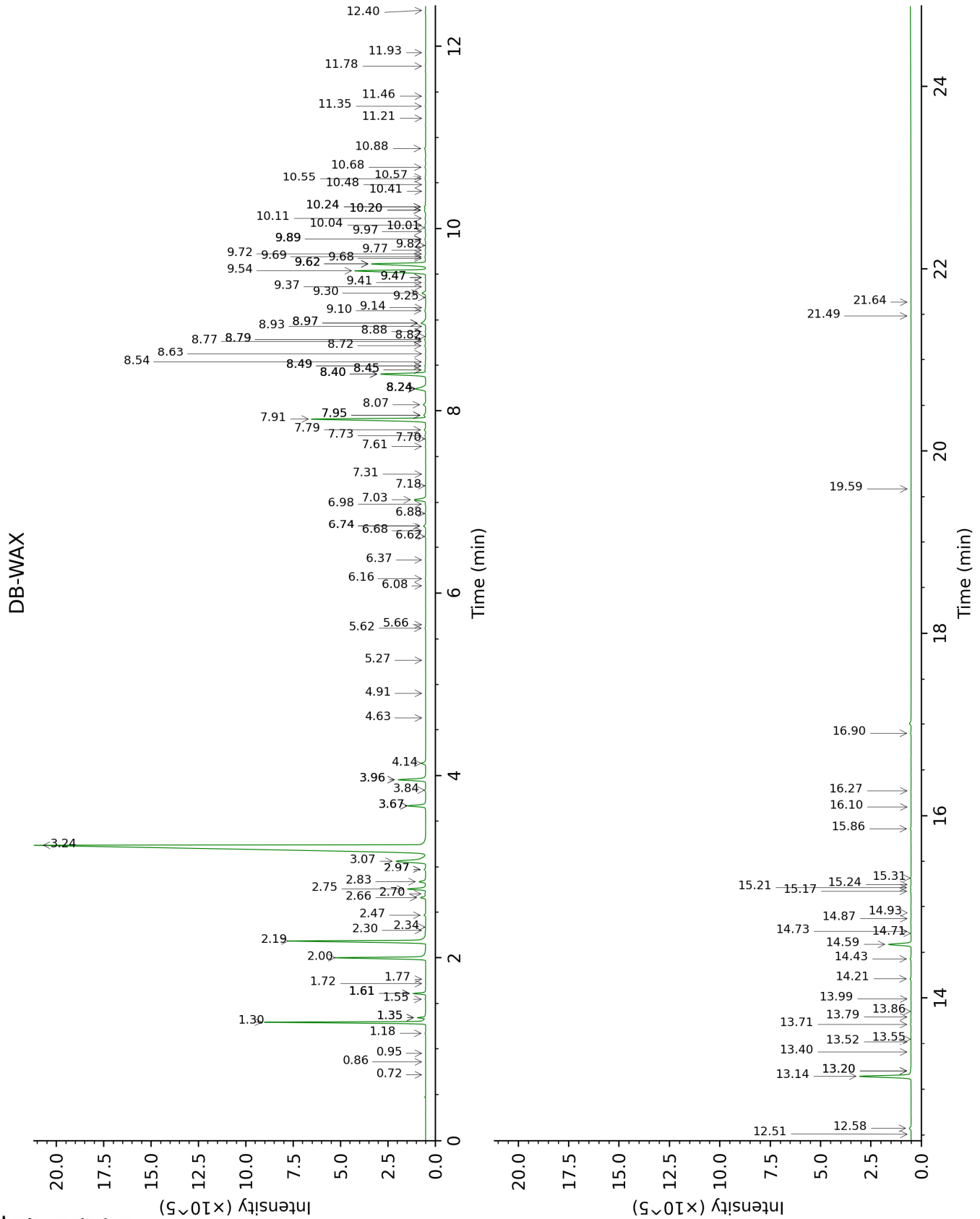
**About "consolidated" data:** The table above presents the breakdown of the sample volatile constituents after applying an algorithm to collapse data acquired from the multi-columns system of PhytoChemia into a single set of consolidated contents. In case of discrepancies between columns, the algorithm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

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







FULL ANALYSIS DATA

Identification	Column DB-5			Column DB-WAX		
	R.T	R.I	%	R.T	R.I	%
Methylcyclopentadiene isomer I	0.53	629	tr			
Isovaleral	0.56	641	tr	0.72	886	tr
3-Methyl-1-penten-3-ol	0.80	716	tr	2.34	1100	0.01
1-Methylpyrrole	0.91	731	0.01			
Ethyl isobutyrate	1.06	754	tr	0.95	933	tr
Toluene	1.08	757	0.01	1.35*	1000	0.34
Hexanal	1.36	800	tr	1.77	1042	0.01
Isopropyl isobutyrate	1.37	802	tr	0.86	917	tr
3-Methyl-2-butyl acetate	1.70	831	tr			
Ethyl 2-methylbutyrate	1.92	850	0.01	1.61*	1026	0.51
Ethyl isovalerate	1.96	853	tr	1.72	1037	tr
(3Z)-Hexenol	1.99	857	0.03	5.62	1346	0.04
Hexanol	2.19	873	tr	5.27	1320	0.01
Isopropyl 2-methylbutyrate	2.38	890	0.01	1.61*	1026	[0.51]
Tricyclene	2.75	918	0.03	1.18	971	0.02
$\alpha$ -Thujene	2.86	926	0.25	1.35*	1000	[0.34]
$\alpha$ -Pinene	2.94	931	6.37	1.30	992	6.18
Camphene	3.12*	943	0.57	1.61*	1026	[0.51]
Thujadiene isomer	3.12*	943	[0.57]	2.30	1097	0.01
$\alpha$ -Fenchene	3.12*	943	[0.57]	1.55	1020	0.03
$\beta$ -Pinene	3.55*	972	11.48	2.00	1066	4.44
Sabinene	3.55*	972	[11.48]	2.19	1085	6.88
6-Methyl-5-hepten-2-one	3.76	986	0.01	4.91	1300	0.01
Dehydro-1,8-cineole	3.78	988	0.10	2.97*	1151	0.09
Myrcene	3.86	993	0.97	2.75	1133	0.94
Pseudolimonene	3.99*	1002	0.31	2.70	1129	0.05
$\alpha$ -Phellandrene	3.99*	1002	[0.31]	2.66	1126	0.26
Isobutyl 2-methylbutyrate	4.06	1006	0.01	2.97*	1151	[0.09]
$\Delta^3$ -Carene	4.08	1008	0.09	2.47	1110	0.07
(3Z)-Hexenyl acetate	4.11	1009	0.01	4.63	1279	0.01
$\alpha$ -Terpinene	4.19	1015	0.37	2.83	1140	0.37
Unknown [m/z 109, 43 (58), 95 (26)... 137 (15)...]	4.32*†	1023	50.80	6.08	1380	0.01
para-Cymene	4.32*†	1023	[50.80]	3.96*	1228	1.57
Limonene	4.35†	1025	[50.80]	3.07	1158	2.57
1,8-Cineole	4.46†	1032	[50.80]	3.24	1172	46.28
(Z)- $\beta$ -Ocimene	4.60	1040	0.02	3.67*	1207	1.02
Unknown [m/z 109, 43 (57), 91 (28), 67 (25), 93 (24), 95 (22), 77 (21), 137 (21), 41 (17), 79 (14)...]	4.71	1048	0.01	7.18	1461	tr

(E)-β-Ocimene	4.75	1050	0.05	3.84	1220	0.05
γ-Terpinene	4.87	1057	1.00	3.67*	1207	[1.02]
cis-Sabinene hydrate	5.00	1066	0.11	6.74*	1428	0.12
para-Mentha-3,8-diene	5.05	1069	0.01	3.96*	1228	[1.57]
cis-Linalool oxide (fur.)	5.09	1071	0.02	6.36	1400	0.02
trans-Linalool oxide (fur.)	5.32*	1086	0.28	6.74*	1428	[0.12]
Terpinolene	5.32*	1086	[0.28]	4.14	1242	0.26
para-Cymenene	5.32*	1086	[0.28]	6.16	1385	0.02
2-Nonanone	5.44	1094	0.01	5.66	1349	0.01
trans-Sabinene hydrate	5.48	1096	0.08	7.80	1507	0.08
Linalool	5.61	1105	6.76	7.91	1516	6.69
Unknown [m/z 43, 59 (37), 79 (33), 91 (32), 119 (31)...]	5.64	1106	0.05	8.88	1591	0.03
Hotrienol	5.67	1108	0.01	8.63	1572	0.02
endo-Fenchol	5.72	1112	0.01	8.24*	1542	0.89
Unknown [m/z 93, 121 (64), 91 (58), 77 (58), 94 (53), 79 (47)...]	5.74	1113	tr			
cis-para-Menth-2-en-1-ol	5.84	1119	0.07	7.95*	1520	0.13
Limona ketone	5.97	1128	0.01	7.70	1500	0.02
trans-Pinocarveol	6.07	1134	0.09	8.97*	1599	0.38
trans-para-Menth-2-en-1-ol	6.12*	1137	0.80	8.79*	1584	0.07
Camphor	6.12*	1137	[0.80]	7.03	1450	0.76
trans-Verbenol	6.18	1141	0.02	9.37	1631	0.03
Sabinaketone	6.35	1152	0.02	8.54	1565	0.03
Nerol oxide	6.39	1154	0.01	6.68	1424	0.01
Pinocarvone	6.41	1156	0.06	7.73	1502	0.05
(E)-2,6-Dimethyl-1,5,7-octatrien-3-ol	6.47	1160	tr	10.11	1692	0.06
Borneol	6.51	1163	0.27	9.62*	1651	3.43
δ-Terpineol	6.55	1165	0.24	9.30	1625	0.23
Rosefuran oxide	6.71*	1175	2.69	8.45*	1558	0.05
Terpinen-4-ol	6.71*	1175	[2.69]	8.40*	1555	2.69
Thuj-3-en-10-al	6.78	1180	0.02	8.49*	1562	0.06
para-Cymen-8-ol	6.87	1185	0.03	11.35	1796	0.02
α-Terpineol	6.94*	1190	3.20	9.62*	1651	[3.43]
Myrtenal	6.94*	1190	[3.20]	8.49*	1562	[0.06]
cis-Piperitol	7.01*	1194	0.10	9.41	1635	0.04
Myrtenol	7.01*	1194	[0.10]	10.68	1740	0.04
Methylchavicol	7.06	1198	0.02	9.14	1612	0.01
trans-Piperitol	7.19	1206	0.02	10.24*†	1702	[0.20]
trans-Carveol	7.37	1218	0.01	11.21	1785	0.01
1-para-Menthen-9-al	7.41	1221	0.01	8.77	1583	0.02
cis-para-Mentha-1(7),8-dien-2-ol	7.50	1227	0.02	11.78	1835	0.03
Nerol	7.54	1230	0.07	10.88	1757	0.07
Citronellol	7.61	1234	0.02	10.57	1730	0.03
Carvone	7.68	1239	0.02	9.82	1668	0.02

Geraniol	7.97*	1259	0.09	11.46	1806	0.02
Linalyl acetate	7.97*	1259	[0.09]	7.95*	1520	[0.13]
Chavicol	8.05	1264	tr	16.27	2267	0.01
Geranial	8.12	1268	0.01	9.97	1680	0.04
4-Thujen-2 $\alpha$ -yl acetate	8.22	1275	0.05	8.72	1579	0.06
Bornyl acetate	8.33	1283	0.15	8.07	1528	0.16
para-Cymen-7-ol	8.47	1292	0.02	13.99	2038	0.02
2-Undecanone	8.52	1295	0.04	8.40*	1555	[2.69]
<i>trans</i> -Pinocarvyl acetate	8.55	1297	0.02	8.93	1596	0.01
Thymol	8.62	1302	0.01	14.93	2130	0.01
Carvacrol	8.73	1310	0.03	15.21	2158	0.04
$\delta$ -Terpinyl acetate	8.81	1315	0.28	8.97*	1599	[0.38]
Unknown [m/z 119, 43 (99), 93 (52), 59 (44), 91 (41), 134 (34)...]	8.87	1320	tr	9.68	1656	0.02
para-Mentha-1,4-dien-7-ol	9.00	1328	0.01	13.55	1996	0.02
exo-2-Hydroxycineole acetate	9.18	1341	0.07	9.89*	1673	0.08
$\alpha$ -Cubebene	9.29*	1350	4.66	6.62	1419	0.04
$\alpha$ -Terpinyl acetate	9.29*	1350	[4.66]	9.54	1645	4.57
Eugenol	9.38	1356	1.27	14.59	2096	1.30
Neryl acetate	9.54*	1367	0.08	10.01	1683	0.05
$\alpha$ -Ylangene	9.54*	1367	[0.08]	6.88	1438	0.03
$\alpha$ -Copaene	9.60	1371	0.03	6.98	1446	0.03
$\beta$ -Bourbonene	9.71	1379	0.01	7.31	1471	0.01
Geranyl acetate	9.81*	1386	0.03	10.41	1717	tr
$\beta$ -Cubebene	9.81*	1386	[0.03]	7.61	1493	0.02
$\beta$ -Elemene	9.85	1389	0.13	8.24*	1542	[0.89]
Methyleugenol	10.09	1406	2.70	13.14	1958	3.01
$\beta$ -Caryophyllene	10.17	1412	0.75	8.24*	1542	[0.89]
$\beta$ -Copaene	10.32	1423	tr	8.24*	1542	[0.89]
Aromadendrene	10.43	1431	0.02	8.40*	1555	[2.69]
$\alpha$ -Guaiene	10.47	1434	0.02	8.24*	1542	[0.89]
6,9-Guaiadiene	10.53	1439	0.01	8.45*	1558	[0.05]
( <i>E</i> )-Cinnamyl acetate	10.58	1442	0.05	14.43	2080	0.07
$\alpha$ -Humulene	10.63	1446	0.07	9.10	1610	0.05
Selina-4(15),7-diene	10.68	1450	0.03	8.79*	1584	[0.07]
allo-Aromadendrene	10.72	1453	0.02	8.82	1587	0.02
<i>cis</i> -Muurolo-4(15),5-diene	10.76	1456	0.01	9.25	1621	0.01
Unknown [m/z 43, 67 (61), 79 (57), 81 (44), 54 (44)...]	10.93	1469	0.03			
$\gamma$ -Muurolole	10.97	1472	0.02	9.47*	1639	0.03
Germacrene D	11.01	1474	0.04	9.62*	1651	[3.43]
$\beta$ -Selinene	11.06	1479	0.04	9.69	1658	0.06
$\alpha$ -Selinene	11.21*	1490	0.08	9.76	1663	0.04
Viridiflorene	11.21*	1490	[0.08]	9.47*	1639	[0.03]
Bicyclogermacrene	11.21*	1490	[0.08]	9.89*	1673	[0.08]
(3 <i>Z</i> ,6 <i>E</i> )- $\alpha$ -Farnesene	11.31*	1497	0.11	10.04	1686	0.04

Germacrene A	11.31*	1497	[0.11]	10.20*†	1699	0.20
α-Muurolene	11.31*	1497	[0.11]	9.89*	1673	[0.08]
δ-Amorphene	11.35	1500	0.01	9.72	1660	0.02
γ-Cadinene	11.45	1508	0.08	10.20*†	1699	[0.20]
δ-Cadinene	11.59	1519	0.09	10.24*†	1702	[0.20]
<i>trans</i> -Cadina-1,4-diene	11.68	1526	0.01	10.48	1723	tr
α-Calacorene	11.80	1536	0.01	11.93	1848	0.03
( <i>E</i> )-α-Bisabolene	11.88	1542	0.04	10.55	1728	0.04
Elemicin	12.08	1558	0.03	15.31	2168	0.04
Germacrene D-4-ol	12.20	1567	0.01	13.52	1993	0.02
Spathulenol	12.24	1570	0.07	14.21	2060	0.06
Caryophyllene oxide	12.29*	1574	0.14	12.58	1906	0.13
Caryophyllene oxide isomer	12.29*	1574	[0.14]	12.51	1900	0.01
Globulol	12.31	1576	0.03	13.71	2012	0.05
Viridiflorol	12.41	1583	0.02	13.80	2019	0.03
Unknown [m/z 133, 93 (64), 43 (64), 177 (60), 107 (59), 91 (55)...220 (7)]	12.45	1586	0.02	12.40	1889	0.01
Ledol	12.55	1594	0.02	13.20*	1963	0.04
Humulene epoxide II	12.62	1600	0.01	13.20*	1963	[0.04]
Junenol	12.72	1608	0.03	13.40	1982	0.04
Eremoligenol?	12.89	1622	0.02	14.73	2110	0.02
Caryophylladienol II	12.97	1629	0.04	15.86	2224	0.05
τ-Cadinol	13.06*	1636	0.03	14.71	2108	0.02
τ-Muurolol	13.06*	1636	[0.03]	14.87	2124	0.01
β-Eudesmol	13.12	1641	0.05	15.24	2161	tr
α-Eudesmol	13.17	1645	0.02	15.17	2154	0.03
( <i>E</i> )-Isoelemicin	13.21	1649	0.03	16.90	2334	0.04
Unknown [m/z 41, 79 (99), 91 (88), 69 (82), 93 (81), 55 (74), 95 (65)...]	13.24	1651	0.01			
Unknown [m/z 79, 43 (66), 67 (59), 80 (56), 41 (41), 81 (37), 55 (29)...]	13.33	1658	0.02	13.86	2025	0.01
Germacra-4(15),5,10(14)-trien-1-ol isomer	13.57	1678	0.02			
Shyobunol	13.61	1681	0.02	16.10	2249	0.01
Gazaniolide	15.57	1853	tr	19.59	2638	0.01
Dehydrocostus lactone	16.86	1973	0.01	21.49	2872	0.02
Eremanthin	16.98	1985	0.01	21.64	2892	0.01
<b>Total identified</b>		<b>99.47%</b>			<b>98.97%</b>	
<b>Total reported</b>		<b>99.61%</b>			<b>99.05%</b>	

\*: 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.

Note: no correction factor was applied

R.T.: Retention time (minutes)

R.I.: Retention index