

**Date :** June 09, 2023

**CERTIFICATE OF ANALYSIS – GC PROFILING**

**SAMPLE IDENTIFICATION**

**Internal code :** 23E26-NPA04


**Customer identification :** Rose Geranium - South Africa - NPS00054 - Lot # NP0006

**Type :** Essential oil

**Source :** *Pelargonium x ct.* South African

**Customer :** Nature Packaged


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

**Analysis date :** June 07, 2023

Checked and approved by :



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

*Notes: 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 9, 2023, to format it for online publication.*

*PHYSICOCHEMICAL DATA*

**Physical aspect:** Green liquid

**Refractive index:**  $1.4661 \pm 0.0003$  (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
Isovaleral	tr	Aliphatic aldehyde
2-Methylbutyral	tr	Aliphatic aldehyde
Isoamyl alcohol	0.01	Aliphatic alcohol
Unknown	0.02	Unknown
3-Methylpentanol	0.03	Aliphatic alcohol
Unknown	0.02	Unknown
(3Z)-Hexenol	0.02	Aliphatic alcohol
3-Acetyl-3-methylcyclopentene	0.01	Aliphatic ketone
3-Methylpentyl formate?	0.01	Aliphatic ester
Tricyclene	0.01	Monoterpene
$\alpha$ -Thujene	0.01	Monoterpene
$\alpha$ -Pinene	0.52	Monoterpene
Camphene	0.01	Monoterpene
3-Methylcyclohexanone	0.02	Aliphatic ketone
Geranic oxide	0.05	Monoterpenic ether
$\beta$ -Pinene	0.04	Monoterpene
Sabinene	0.01	Monoterpene
Octen-3-ol	0.04	Aliphatic alcohol
6-Methyl-5-hepten-2-one	0.07	Aliphatic ketone
<i>trans</i> -Dehydroxylinalool oxide	0.03	Monoterpenic ether
Myrcene	0.15	Monoterpene
$\alpha$ -Phellandrene	0.07	Monoterpene
<i>cis</i> -Dehydroxylinalool oxide	0.01	Monoterpenic ether
$\Delta^3$ -Carene	0.03	Monoterpene
$\alpha$ -Terpinene	0.01	Monoterpene
para-Cymene	0.10	Monoterpene
$\beta$ -Phellandrene	0.21*	Monoterpene
1,8-Cineole	0.21*	Monoterpenic ether
Limonene	0.18	Monoterpene
(Z)- $\beta$ -Ocimene	0.13	Monoterpene
(E)- $\beta$ -Ocimene	0.11	Monoterpene
Unknown	0.02	Unknown
2,6-Dimethyl-5-heptenal (melonal)	0.02	Aliphatic aldehyde
$\gamma$ -Terpinene	0.02	Monoterpene
<i>cis</i> -Sabinene hydrate	0.01	Monoterpenic alcohol
Unknown	0.02	Oxygenated monoterpene
<i>cis</i> -Linalool oxide (fur.)	0.16	Monoterpenic alcohol
Fenchone	0.01	Monoterpenic ketone
<i>trans</i> -Linalool oxide (fur.)	0.08	Monoterpenic alcohol
Terpinolene	0.01	Monoterpene
para-Cymenene	0.03	Monoterpene
<i>trans</i> -Sabinene hydrate	0.02	Monoterpenic alcohol
Rosefuran	0.02	Monoterpenic ether
Linalool	5.12	Monoterpenic alcohol
(Z)-6-Methyl-3,5-heptadien-2-one	0.03	Aliphatic ketone

<i>cis</i> -Rose oxide	0.93	Monoterpenic ether
Phenylethyl alcohol	0.02	Simple phenolic
<i>trans</i> -Rose oxide	0.37	Monoterpenic ether
Unknown	0.04	Unknown
Isopulegol	0.26	Monoterpenic alcohol
neo-Isopulegol	0.05	Monoterpenic alcohol
Menthone	1.50	Monoterpenic ketone
Citronellal	0.35	Monoterpenic aldehyde
iso-Isopulegol	0.18	Monoterpenic alcohol
Isomenthone	6.02	Monoterpenic ketone
neo-Menthol	0.07	Monoterpenic alcohol
Isopulegol isomer	0.02	Monoterpenic alcohol
Terpinen-4-ol	0.01	Monoterpenic alcohol
Menthol	0.05	Monoterpenic alcohol
Isomenthol	0.15	Monoterpenic alcohol
para-Cymen-8-ol	0.02	Monoterpenic alcohol
$\alpha$ -Terpineol	0.40	Monoterpenic alcohol
Myrtenol	0.04	Monoterpenic alcohol
Unknown	0.02	Oxygenated monoterpene
$\beta$ -Cyclocitral	0.03	Monoterpenic aldehyde
Rhodinol ( $\alpha$ -citronellol)	0.07	Monoterpenic alcohol
Nerol	0.55	Monoterpenic alcohol
Citronellol	21.71	Monoterpenic alcohol
Neral	0.60	Monoterpenic aldehyde
Piperitone	0.09	Monoterpenic ketone
Geraniol	13.40	Monoterpenic alcohol
Geranial	0.79	Monoterpenic aldehyde
Citronellyl formate	9.79	Monoterpenic ester
Neryl formate	0.29	Monoterpenic ester
Geranyl formate	5.41	Monoterpenic ester
(3 <i>Z</i> )-Hexenyl tiglate	0.04	Aliphatic ester
Methyl geranate	0.03	Monoterpenic ester
Citronellic acid	0.03	Monoterpenic acid
Neric acid	0.04	Monoterpenic acid
$\alpha$ -Cubebene	0.12	Sesquiterpene
Citronellyl acetate	0.31	Monoterpenic ester
Neryl acetate	0.02	Monoterpenic ester
$\alpha$ -Ylangene	0.03	Sesquiterpene
$\alpha$ -Copaene	0.36	Sesquiterpene
Geranic acid	0.07	Aliphatic acid
$\beta$ -Bourbonene	1.03	Sesquiterpene
1,5-diepi- $\beta$ -Bourbonene	0.08	Sesquiterpene
Geranyl acetate	0.40	Monoterpenic ester
$\beta$ -Elemene	0.16	Sesquiterpene
Phenylethyl isobutyrate	0.11	Phenolic ester
$\alpha$ -Gurjunene	0.04	Sesquiterpene
$\beta$ -Caryophyllene	1.32	Sesquiterpene
$\beta$ -Copaene	0.12	Sesquiterpene
Heptyl tiglate	0.01	Aliphatic ester
$\alpha$ -Guaiene	0.67	Sesquiterpene
6,9-Guaiadiene	6.59	Sesquiterpene
Unknown	0.40	Sesquiterpene

Citronellyl propionate	0.44	Monoterpenic ester
α-Humulene	0.30	Sesquiterpene
allo-Aromadendrene	0.18	Sesquiterpene
<i>trans</i> -Cadina-1(6),4-diene	0.25	Sesquiterpene
γ-Murolene	0.08	Sesquiterpene
Germacrene D	0.93	Sesquiterpene
α-Amorphene	0.13	Sesquiterpene
Geranyl propionate	0.94	Monoterpenic ester
β-Selinene	0.20	Sesquiterpene
γ-Amorphene	0.06	Sesquiterpene
Phenylethyl isovalerate	0.02	Phenolic ester
Viridiflorene	0.03	Sesquiterpene
Bicyclogermacrene	0.10	Sesquiterpene
4-epi- <i>cis</i> -Dihydroagarofuran	0.16	Sesquiterpenic ether
α-Murolene	0.06	Sesquiterpene
γ-Cadinene	0.23	Sesquiterpene
Geranyl isobutyrate	0.30	Monoterpenic ester
<i>trans</i> -Calamenene	0.16	Sesquiterpene
δ-Cadinene	0.54	Sesquiterpene
<i>trans</i> -Cadina-1,4-diene	0.02	Sesquiterpene
Citronellyl butyrate	0.59	Monoterpenic ester
α-Cadinene	0.05	Sesquiterpene
α-Agarofuran	0.18	Sesquiterpenic ether
Furopelargone isomer	0.11	Sesquiterpenic ketone
Geranyl butyrate	1.10	Monoterpenic ester
Spathulenol	0.07	Sesquiterpenic alcohol
Caryophyllene oxide	0.24	Sesquiterpenic ether
Caryophyllene oxide isomer	0.02	Sesquiterpenic ether
Globulol	0.03	Sesquiterpenic alcohol
Phenylethyl tiglate	0.48	Phenolic ester
Furopelargone A	0.56	Sesquiterpenic ketone
Viridiflorol	0.03	Sesquiterpenic alcohol
Eudesm-5-en-11-ol analog	0.02	Sesquiterpenic alcohol
Geranyl isovalerate	0.34	Monoterpenic ester
10-epi-Cubenol	0.27	Sesquiterpenic alcohol
10-epi-γ-Eudesmol	0.03	Sesquiterpenic alcohol
1-epi-Cubenol	0.09	Sesquiterpenic alcohol
γ-Eudesmol	0.06	Sesquiterpenic alcohol
Unknown	0.02	Oxygenated sesquiterpene
Citronellyl valerate?	0.02	Monoterpenic ester
Cubenol	0.13	Sesquiterpenic alcohol
α-Cadinol	0.08	Sesquiterpenic alcohol
Valerianol	0.05	Sesquiterpenic alcohol
Geranyl valerate	0.03	Monoterpenic ester
<i>cis</i> -Calamenen-10-ol	0.03	Sesquiterpenic alcohol
Citronellyl tiglate	0.32	Monoterpenic ester
Citronellyl 4-methylvalerate	0.09	Monoterpenic ester
3β,4β-Oxidoagarofuran?	0.05	Sesquiterpenic ether
Geranyl tiglate	1.29	Monoterpenic ester
Geranyl 4-methylvalerate?	0.17	Monoterpenic ester
Citronellyl caproate	0.05	Monoterpenic ester
Geranyl caproate	0.08	Monoterpenic ester

Citronellyl heptanoate	0.04	Monoterpenic ester
Phytone	0.03	Terpenic ketone
Geranyl heptanoate	0.06	Monoterpenic ester
Citronellyl caprylate	0.04	Monoterpenic ester
Geranyl caprylate	0.06	Monoterpenic ester
Unknown	0.55	Unknown
Unknown	0.70	Unknown
Unknown	0.23	Unknown
<b>Consolidated total</b>	<b>96.30%</b>	

\*: 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

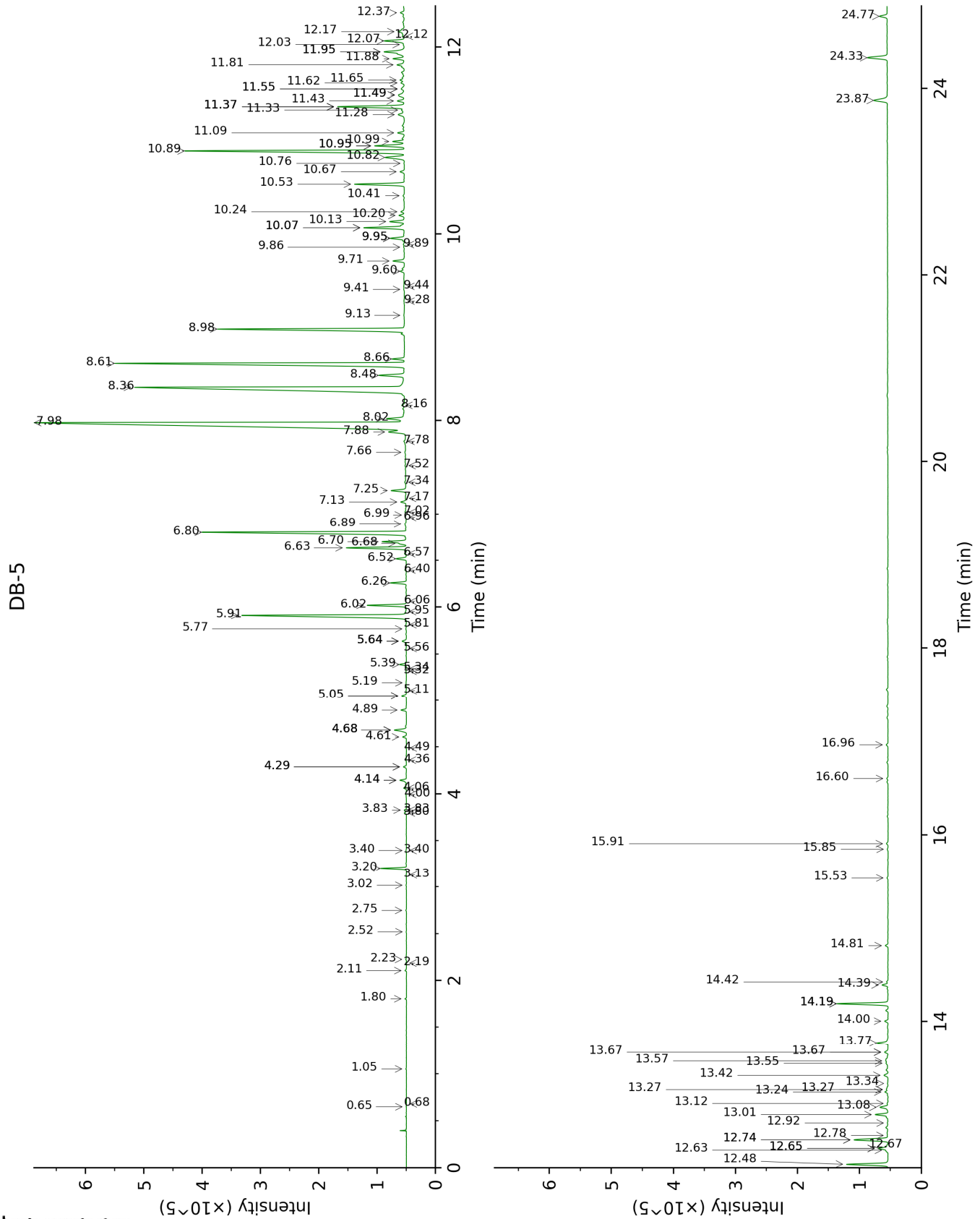
tr: The compound has been detected below 0.005% of total signal.

Note: no correction factor was applied

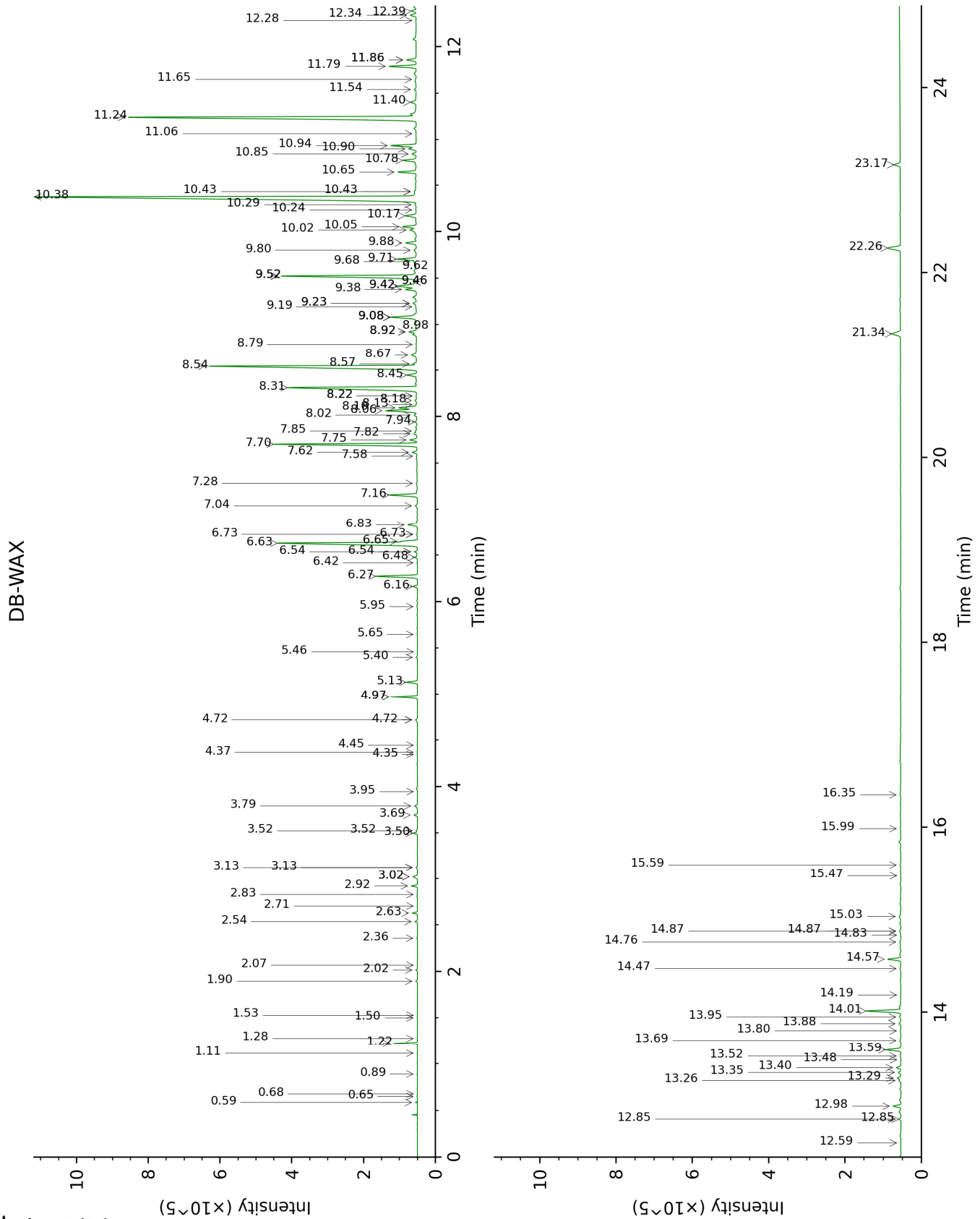
**About "consolidated" data:** The table above presents the breakdown of the sample volatile constituents after applying an algorithm to collapse data acquired from the multi-columns system of PhytoChemia into a single set of consolidated contents. In case of discrepancies between columns, the algorithm 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	%
Isovaleral	0.65	641	tr	0.68	887	tr
2-Methylbutyral	0.68	651	tr	0.65	876	0.01
Isoamyl alcohol	1.05	733	0.01	3.13*	1176	0.05
Unknown [m/z 81, 69 (80), 41 (65), 83 (52), 109 (48), 55 (47)...]	1.80	823	0.02	0.59	852	0.02
3-Methylpentanol	2.11	848	0.03	4.72*	1301	0.10
Unknown [m/z 109, 43 (28), 124 (28), 41 (14), 55 (11), 79 (9), 81 (8)...]	2.19	854	0.02	1.50	1026	0.01
(3Z)-Hexenol	2.23	857	0.02	5.46	1348	0.01
3-Acetyl-3-methylcyclopentene	2.52	881	0.01	0.89	935	0.01
3-Methylpentyl formate?	2.75	900	0.01	2.83	1151	0.01
Tricyclene	3.02	919	0.01	1.11	974	0.01
α-Thujene	3.13	926	0.01	1.28	1002	0.01
α-Pinene	3.20	931	0.52	1.22	992	0.50
Camphene	3.40*	943	0.03	1.53	1029	0.01
3-Methylcyclohexanone	3.40*	943	[0.03]	4.35	1272	0.02
Geranic oxide	3.80	970	0.05	2.02	1079	0.05
β-Pinene	3.83*	972	0.06	1.90	1066	0.04
Sabinene	3.83*	972	[0.06]	2.07	1084	0.01
Octen-3-ol	4.00	983	0.04	6.42	1419	0.02
6-Methyl-5-hepten-2-one	4.06	987	0.07	4.72*	1301	[0.10]
<i>trans</i> -Dehydroxylinalool oxide	4.14*	993	0.18	3.13*	1176	[0.05]
Myrcene	4.14*	993	[0.18]	2.63	1135	0.15
α-Phellandrene	4.29*	1002	0.08	2.54	1127	0.07
<i>cis</i> -Dehydroxylinalool oxide	4.29*	1002	[0.08]	3.52*	1208	0.05
Δ3-Carene	4.36	1007	0.03	2.36	1112	0.03
α-Terpinene	4.49	1015	0.01	2.71	1141	0.01
para-Cymene	4.61	1022	0.10	3.79	1229	0.10
β-Phellandrene	4.68*	1027	0.39	3.02*	1167	0.20
1,8-Cineole	4.68*	1027	[0.39]	3.02*	1167	[0.20]
Limonene	4.68*	1027	[0.39]	2.92	1159	0.18
(Z)-β-Ocimene	4.90	1040	0.13	3.50	1206	0.13
(E)-β-Ocimene	5.05*	1050	0.13	3.69	1222	0.11
Unknown [m/z 125, 69 (75), 41 (34), 55 (25), 93 (22)... 140 (3)]	5.05*	1050	[0.13]	4.37	1274	0.02
2,6-Dimethyl-5-heptenal (melonal)	5.11	1053	0.02	4.97*	1312	0.92

γ-Terpinene	5.19	1059	0.02	3.52*	1208	[0.05]
cis-Sabinene hydrate	5.32	1066	0.01	6.54*	1428	0.10
Unknown [m/z 79, 93 (60), 43 (40), 94 (35), 137 (33), 77 (26), 91 (20), 152 (18)]	5.34	1068	0.02	4.45	1280	0.02
cis-Linalool oxide (fur.)	5.39	1071	0.16	6.16	1400	0.16
Fenchone	5.56	1082	0.01	5.40	1344	0.05
trans-Linalool oxide (fur.)	5.64*	1086	0.12	6.54*	1428	[0.10]
Terpinolene	5.64*	1086	[0.12]	3.95	1241	0.01
para-Cymenene	5.64*	1086	[0.12]	5.95	1384	0.03
trans-Sabinene hydrate	5.77	1095	0.02	7.58	1507	0.03
Rosefuran	5.81	1097	0.02	5.65	1362	0.02
Linalool	5.91	1104	5.12	7.70	1517	4.96
(Z)-6-Methyl-3,5-heptadien-2-one	5.95	1106	0.03	7.85	1528	0.07
cis-Rose oxide	6.02	1110	0.93	4.97*	1312	[0.92]
Phenylethyl alcohol	6.06	1113	0.02	11.65	1845	0.02
trans-Rose oxide	6.26	1126	0.37	5.13	1324	0.37
Unknown [m/z 70, 81 (94), 67 (52), 69 (45), 109 (44), 82 (35)...]	6.40	1134	0.04	6.73*	1442	0.05
Isopulegol	6.52	1142	0.26	7.75	1520	0.29
neo-Isopulegol	6.57	1146	0.05	7.82	1526	0.15
Menthone	6.63	1150	1.50	6.27	1408	1.46
Citronellal	6.68†	1152	0.76	6.65	1437	0.35
iso-Isopulegol	6.70†	1154	[0.76]	7.62	1510	0.18
Isomenthone	6.80	1160	6.02	6.63	1435	6.07
neo-Menthol	6.89	1166	0.07	8.22*	1558	0.07
Isopulegol isomer	6.96	1170	0.02	8.13	1550	0.04
Terpinen-4-ol	6.99	1172	0.01	8.18	1554	0.09
Menthol	7.02	1174	0.05	8.79	1602	0.06
Isomenthol	7.13	1181	0.15	8.57	1585	0.15
para-Cymen-8-ol	7.17	1184	0.02	11.06	1794	0.01
α-Terpineol	7.25	1189	0.40	9.38	1651	0.43
Myrtenol	7.34	1194	0.04	10.43*	1739	0.16
Unknown [m/z 123, 81 (40), 67 (29), 79 (29), 93 (26), 121 (25), 41 (24), 55 (18), 69 (15)...]	7.52	1206	0.02			
β-Cyclocitral	7.66	1215	0.03	8.22*	1558	[0.07]
Rhodinol (α-citronellol)	7.78	1223	0.07	10.29	1727	0.06
Nerol	7.88	1230	0.55	10.65	1758	0.65
Citronellol	7.98	1236	21.71	10.38	1734	21.50
Neral	8.02	1239	0.60	9.08*	1626	1.23
Piperitone	8.16	1249	0.09	9.46*	1658	0.15
Geraniol	8.36	1262	13.40	11.24	1809	12.97

Geranial	8.48	1270	0.79	9.71	1678	0.78
Citronellyl formate	8.61	1279	9.79	8.54	1583	9.66
Neryl formate	8.66	1282	0.29	9.08*	1626	[1.23]
Geranyl formate	8.98	1304	5.41	9.52*	1663	5.59
(3Z)-Hexenyl tiglate	9.13	1314	0.04	8.98	1618	0.05
Methyl geranate	9.28	1325	0.03	9.42*	1654	0.95
Citronellic acid	9.41	1333	0.03			
Neric acid	9.44	1336	0.04			
α-Cubebene	9.60	1347	0.12	6.48	1424	0.09
Citronellyl acetate	9.71	1355	0.31	9.08*	1626	[1.23]
Neryl acetate	9.86	1365	0.02	9.80	1686	0.14
α-Ylangene	9.89	1367	0.03	6.73*	1442	[0.05]
α-Copaene	9.95*	1372	0.42	6.83	1450	0.36
Geranic acid	9.95*	1372	[0.42]	16.35	2307	0.07
β-Bourbonene	10.07*	1380	1.16	7.16	1475	1.03
1,5-diepi-β-Bourbonene	10.07*	1380	[1.16]	7.04	1466	0.08
Geranyl acetate	10.13	1384	0.40	10.17	1717	0.47
β-Elemene	10.20	1389	0.16	8.02	1542	0.14
Phenylethyl isobutyrate	10.24	1392	0.11	11.54	1836	0.07
α-Gurjunene	10.41	1404	0.04	7.28	1484	0.05
β-Caryophyllene	10.53	1413	1.32	8.06	1545	1.24
β-Copaene	10.67	1423	0.12	7.94	1536	0.10
Heptyl tiglate	10.76	1430	0.01			
α-Guaiene	10.82	1435	0.67	8.10	1548	0.75
6,9-Guaiadiene	10.89	1440	6.59	8.31	1565	6.36
Unknown [m/z 91, 161 (92), 105 (85), 119 (63), 133 (53), 79 (49), 204 (46)]	10.95*	1444	0.83	8.45	1576	0.40
Citronellyl propionate	10.95*	1444	[0.83]	9.88	1692	0.44
α-Humulene	10.99	1447	0.30	8.92*†	1613	0.49
allo-Aromadendrene	11.09	1454	0.18	8.67	1593	0.33
trans-Cadina-1(6),4-diene	11.28	1469	0.25	8.92*†	1613	[0.49]
γ-Murolene	11.33	1472	0.08	9.19†	1635	0.24
Germacrene D	11.36*	1475	1.86	9.42*	1654	[0.95]
α-Amorphene	11.36*	1475	[1.86]	9.23*†	1638	[0.24]
Geranyl propionate	11.36*	1475	[1.86]	10.94†	1782	[1.24]
β-Selinene	11.43	1480	0.20	9.52*	1663	[5.59]
γ-Amorphene	11.49*	1484	0.31	9.46*	1658	[0.15]
Phenylethyl isovalerate	11.49*	1484	[0.31]	12.59	1931	0.02
Viridiflorene	11.56*	1489	0.13	9.23*†	1638	[0.24]
Bicyclogermacrene	11.56*	1489	[0.13]	9.68	1676	0.10
4-epi-cis-Dihydroagarofuran	11.62†	1494	0.22	9.52*	1663	[5.59]
α-Murolene	11.65†	1496	[0.22]	9.62	1671	0.06
γ-Cadinene	11.81	1508	0.23	10.02	1704	0.28
Geranyl isobutyrate	11.88	1514	0.30	10.90†	1779	1.24
trans-Calamenene	11.95*†	1519	0.84	10.85	1775	0.16

δ-Cadinene	11.95*†	1519	[0.84]	10.06	1706	0.54
<i>trans</i> -Cadina-1,4-diene	12.03	1526	0.02	10.24	1722	0.03
Citronellyl butyrate	12.07	1528	0.59	10.78	1769	0.53
α-Cadinene	12.12	1532	0.05	10.43*	1739	[0.16]
α-Agarofuran	12.17	1536	0.18	11.40	1823	0.26
Furopelargone isomer	12.37	1552	0.11	12.39	1912	0.19
Geranyl butyrate	12.48	1561	1.10	11.79	1858	1.02
Spathulenol	12.63	1572	0.07	13.95	2061	0.06
Caryophyllene oxide	12.65*	1574	0.30	12.34	1908	0.24
Caryophyllene oxide isomer	12.65*	1574	[0.30]	12.28	1903	0.02
Globulol	12.67	1576	0.03	13.48	2015	0.02
Phenylethyl tiglate	12.74*	1581	1.06	14.57	2122	0.48
Furopelargone A	12.74*	1581	[1.06]	13.59	2026	0.56
Viridiflorol	12.78	1585	0.03	13.52	2019	0.04
Eudesm-5-en-11-ol analog	12.92	1595	0.02	13.80	2046	0.03
Geranyl isovalerate	13.00	1602	0.34	11.86*	1864	0.38
10-epi-Cubenol	13.08	1608	0.27	13.26	1994	0.07
10-epi-γ-Eudesmol	13.12	1612	0.03	13.69	2036	0.06
1-epi-Cubenol	13.24	1622	0.09	13.35	2002	0.11
γ-Eudesmol	13.27*	1624	0.07	14.47	2112	0.06
Unknown [m/z 147, 162 (79), 43 (64), 59 (64), 95 (47), 91 (44), 105 (43)... 238 (13)]	13.27*	1624	[0.07]	14.83	2148	0.02
Citronellyl valerate?	13.34	1629	0.02	11.86*	1864	[0.38]
Cubenol	13.42	1636	0.13	13.29	1996	0.15
α-Cadinol	13.55	1647	0.08	15.03	2169	0.10
Valerianol	13.58	1649	0.05	14.87*	2153	0.06
Geranyl valerate	13.67*	1656	0.11	12.85*	1955	0.08
<i>cis</i> -Calamenen-10-ol	13.67*	1656	[0.11]	15.99	2268	0.03
Citronellyl tiglate	13.77	1665	0.32	12.98	1968	0.29
Citronellyl 4-methylvalerate	14.00	1684	0.09			
3β,4β-Oxidoagarofuran?	14.19*	1700	1.32	15.59	2227	0.05
Geranyl tiglate	14.19*	1700	[1.32]	14.01	2067	1.29
Geranyl 4-methylvalerate?	14.39	1717	0.17	13.40	2007	0.17
Citronellyl caproate	14.42	1720	0.05	12.85*	1955	[0.08]
Geranyl caproate	14.81	1753	0.08	13.88	2054	0.07
Citronellyl heptanoate	15.53	1816	0.04			
Phytone	15.85	1845	0.03	14.19	2084	0.02
Geranyl heptanoate	15.91	1850	0.06	14.76	2141	0.06
Citronellyl caprylate	16.60	1914	0.04	14.87*	2153	[0.06]
Geranyl caprylate	16.96	1948	0.06	15.47	2214	0.01

Unknown [m/z 69, 83 (59), 81 (56), 137 (48), 41 (29), 139 (28)...]	23.87	2708	0.55	21.34	2901	0.50
Unknown [m/z 69, 81 (84), 137 (53), 83 (30), 95 (27), 41 (19)...]	24.33	2767	0.70	22.26	3025	0.70
Unknown [m/z 69, 81 (64), 95 (29), 137 (19), 41 (19)...]	24.77	2825	0.23	23.17	3151	0.25
<b>Total identified</b>	<b>95.28%</b>			<b>93.18%</b>		
<b>Total reported</b>	<b>96.88%</b>			<b>95.12%</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