

Supplementary Table 1. Composition of twelve essential oils through gas chromatography coupled to mass spectrometry (GC-MS) and gas chromatography coupled to flame ionization detector (CG-FID).

<i>Illicium verum</i>					<i>Syzygium aromaticum</i>					<i>Thymus vulgaris</i>					<i>Eucalyptus globulus</i>				
Peak	RI exp ^y	RI lit ^t	Identification	Area % ^{**}	Peak	RI exp	RI lit	Identification	Area %	Peak	RI exp	RI lit	Identification	Area %	Peak	RI exp	RI lit	Identification	Area %
1	1287	1282	(E)-anetole	90.7	1	1361	1356	eugenol	87.9	1	930	932	alpha-pinene	3.0	1	930	932	alpha-pinene	2.0
2	1356	1247	triacetin	9.3	2	1413	1417	(E)-beta-caryophyllene	9.0	2	944	946	camphene	2.2	2	973	974	beta-pinene	0.4
					3	1446	1452	alpha-humulene	1.9	3	988	988	myrcene	1.3	3	988	988	myrcene	0.7
					4	1517	1423	delta-cadinene	0.3	4	1021	1022	p-cymene	21.7	4	1003	1002	alpha-phelandrene	0.6
					5	1545	-	n.i.	0.2	5	1025	1024	limonene	3.4	5	1014	1014	alpha-terpinene	0.2
					6	1575	1582	caryophyllene oxide	0.7	6	1028	1026	1,8-cineole	2.5	6	1022	1022	p-cymene	3.3
										7	1099	1098	linalool	6.0	7	1026	1024	limonene	4.9
										8	1162	1165	borneol	3.4	8	1030	1026	1,8-cineole	86.2
										9	1291	1289	thymol	31.2	9	1034	1032	(Z)-beta-ocymene	0.2
										10	1301	1298	carvacrol	25.5	10	1044	1044	(E)-beta-ocymene	0.1
															11	1054	1054	gamma-terpinene	1.5
Total:				-					100.0					100.0					100.0
Total identified:				-					100.0					100.0					100.0
Monoterpenes (%):				-					0					31.5					13.8
Oxygenated monoterpenoids (%):				-					0					68.5					86.2
Sesquiterpenes (%):				-					11.2					-					-
Oxygenated sesquiterpenoids (%):				-					0.9					-					-
Others (%):				-					87.9					-					-
<i>Cymbopogon citratus</i>					<i>Origanum vulgare</i>					<i>Citrus limon</i>					<i>Matricaria recutita</i>				
Peak	RI exp	RI lit	Identification	Area %	Peak	RI exp	RI lit	Identification	Area %	Peak	RI exp	RI lit	Identification	Area %	Peak	RI exp	RI lit	Identification	Area %
1	920	921	tricyclene	tr	1	920	921	tricyclene	0.1	1	924	924	alpha-tujene	0.4	1	1058	1056	3,3,6-trimethyl-1,5-heptadien-4-one	0.1

2	930	932	alpha-pinene	0.1	2	924	924	alpha-tujene	0.0	2	930	932	alpha-pinene	1.8	2	1372	1374	alpha-copaene	0.3
3	945	946	camphene	0.3	3	930	932	alpha-pinene	1.2	3	945	946	camphene	0.1	3	1379	1387	alpha-isocomene	0.2
4	987	981	6-methyl-5-hepten-2-one	0.4	4	945	946	camphene	0.4	4	970	969	sabinene	1.5	4	1386	1389	beta-elemene	0.1
5	990	988	dehydro-1,8-cineole	0.1	5	973	974	beta-pinene	0.3	5	974	974	beta-pinene	10.4	5	1411	1417	(E)-beta-caryophyllene	0.4
6	1025	1024	limonene	0.9	6	977	974	1-octen-3-ol	0.1	6	988	988	myrcene	1.5	6	1451	1454	(E)-beta-farnesene	50.6
7	1034	1032	(Z)-beta-ocymene	0.4	7	980	-	n.i.	0.1	7	1004	1002	alpha-phelandrene	0.1	7	1464	-	n.i.	1.9
8	1044	1044	(E)-beta-ocymene	0.2	8	988	988	myrcene	1.6	8	1014	1014	alpha-terpinene	0.2	8	1474	1480	germacrene D	1.0
9	1070	-	4-nonanone	0.3	9	1003	1002	alpha-phelandrene	0.2	9	1022	1022	p-cymene	1.0	9	1479	1489	beta-selinene	0.4
10	1099	1098	linalool	0.6	10	1008	1008	delta-3-carene	0.1	10	1027	1024	limonene	68.5	10	1489	-	n.i.	0.6
11	1103	-	n.i.	0.1	11	1014	1014	alpha-terpinene	1.0	11	1029	1026	1,8-cineole	0.4	11	1503	1505	(E,E)-alpha-farnesene	1.5
12	1142	-	n.i.	0.6	12	1019	1020	m-cymene	0.1	12	1044	1044	(E)-beta-ocymene	0.1	12	1517	1523	delta-cadinene	0.2
13	1146	-	n.i.	0.2	13	1022	1022	p-cymene	10.4	13	1055	1054	gamma-terpinene	9.3	13	1559	-	n.i.	0.4
14	1150	1148	citronellal	1.3	14	1025	1024	limonene	0.6	14	1085	1086	terpinolene	0.4	14	1570	1577	spathulenol	2.6
15	1162	-	n.i.	1.8	15	1028	1026	1,8-cineole	0.5	15	1100	1098	linalool	0.2	15	1586	1594	salvial-4(14)-en-1-one	0.1
16	1180	-	n.i.	2.6	16	1054	1054	gamma-terpinene	4.8	16	1174	1174	terpinen-4-ol	0.3	16	1605	-	n.i.	0.3
17	1227	1223	citronellol	1.1	17	1099	1098	linalool	2.2	17	1188	1186	alpha-terpineol	0.5	17	1610	-	n.i.	0.4
18	1237	1235	neral	33.7	18	1162	1165	borneol	0.2	18	1239	1235	neral	0.6	18	1620	-	n.i.	0.2
19	1253	1249	geraniol	4.5	19	1174	1174	terpinen-4-ol	0.4	19	1268	1264	geranial	0.8	19	1624	-	n.i.	0.7
20	1266	1264	geranial	45.5	20	1292	1289	thymol	0.4	20	1362	1359	neryl acetate	0.5	20	1633	1638	gossonorol + epi-alpha-cadinol	1.1
21	1351	1350	citronellyl acetate	0.2	21	1300	1298	carvacrol	70.3	21	1411	1417	(E)-beta-caryophyllene	0.2	21	1649	1656	alpha-bisabolol oxide B	8.5
22	1381	1379	geranyl acetate	1.5	22	1412	1417	(E)-beta-caryophyllene	4.7	22	1429	1432	(E)-alpha-bergamotene	0.5	22	1655	-	n.i.	1.3
23	1386	1389	beta-elemene	0.4	23	1445	1452	alpha-humulene	0.1	23	1502	1505	beta-bisabolene	0.8	23	1663	-	n.i.	0.2
24	1411	1417	(E)-beta-caryophyllene	0.9	24	1575	1582	caryophyllene oxide	0.3						24	1678	1685	alpha-bisabolol	5.4
25	1445	1452	alpha-humulene	0.1											25	1682	-	n.i.	0.6
26	1473	1480	germacrene D	0.2											26	1721	1730	chamazulene	2.0
27	1506	1513	gamma-cadinene	0.4											27	1740	1748	alpha-bisabolol oxide A	6.2
28	1516	1522	delta-cadinene	0.3											28	1751	-	n.i.	0.2
29	1543	1548	elemol	0.9											29	1794	-	n.i.	0.1
30	1575	1572	caryophyllene oxide	0.5											30	1841	-	n.i.	0.2

31	1878	1879	(Z)-chamomile spiroether	10.4
32	1892	1890	(E)-chamomile spiroether	0.8
33	1946	-	n.i.	0.4
34	2135	2135	linoleic acid	0.2
35	2492	2500	pentacosane	0.3

Total:	100.0	100.0	100.0	100.0
Total identified:	94.8	99.9	100.0	92.4
Monoterpenes :	1.9	20.7	95.3	0.0
Oxygenated monoterpenoids:	93.7	74.0	3.2	0.1
Sesquiterpenes:	2.3	4.8	1.5	55.2
Oxygenated sesquiterpenoids:	1.5	0.3	0.0	32.0
Others:	0.6	0.1	0.0	12.7

<i>Rosmarinus officinalis</i>					<i>Pelargonium graveolens</i>					<i>Zingiber officinale</i>					<i>Melaleuca alternifolia</i>				
Peak	RI exp	RI lit	Identification	Area %	Peak	RI exp	RI lit	Identification	Area %	Peak	RI exp	RI lit	Identification	Area %	Peak	RI exp	RI lit	Identification	Area %
1	918	-	n.i.	tr	1	930	932	alpha-pinene	0.2	1	920	921	tricyclene	0.4	1	924	924	alpha-tujene	1.0
2	921	921	tricyclene	0.7	2	988	988	myrcene	0.1	2	930	932	alpha-pinene	2.1	2	931	932	alpha-pinene	2.5
3	925	924	alpha-tujene	0.1	3	1025	1024	limonene	0.1	3	944	946	camphene	9.3	3	970	969	sabinene	1.3
4	931	932	alpha-pinene	15.3	4	1070	1067	cis-linalool oxide	0.1	4	970	969	sabinene	0.1	4	974	974	beta-pinene	0.8
5	946	946	camphene	6.5	5	1099	1098	linalool	7.8	5	973	974	beta-pinene	0.3	5	989	988	myrcene	0.8
6	951	-	n.i.	0.2	6	1109	1106	cis-rose oxide	2.0	6	986	981	6-methyl-5-hepten-2-ona myrcene	0.3	6	1004	1002	alpha-phelandrene	0.5
7	975	974	beta-pinene	5.1	7	1125	1122	trans-rose oxide	1.0	7	988	988	myrcene	1.2	7	1015	1014	alpha-terpinene	10.3
8	989	988	myrcene	4.9	8	1150	1148	mentone	2.4	8	1003	1002	alpha-phelandrene	0.4	8	1022	1022	p-cymene	1.8
9	1004	1002	alpha-phelandrene	0.4	9	1160	1158	isomenthone	6.2	9	1021	1022	p-cymene	0.1	9	1026	1025	beta-phelandrene	1.9
10	1009	1008	delta-3-carene	0.1	10	1188	1186	alpha-terpineol	0.2	10	1025	1025	beta-phelandrene	5.8	10	1028	1026	1,8-cineole	2.6
11	1015	1014	alpha-terpinene	0.3	11	1229	1223	citronellol	41.5	11	1028	1026	1,8-cineole	3.3	11	1056	1054	gamma-terpinene	20.6
12	1022	1022	p-cymene	2.0	12	1253	1249	geraniol	9.6	12	1085	1086	terpinolene	0.2	12	1065	1065	cis-sabinene hydrate	0.2

13	1026	1024	limonene	4.6	13	1269	1264	geranial	0.2	13	1095	-	n.i.	0.3	13	1085	1086	terpinolene	3.7
14	1030	1026	1,8-cineole	31.7	14	1273	1271	citronellila formate	12.4	14	1099	1098	linalool	0.3	14	1098	1098	trans-sabinene hydrate	0.5
15	1055	1054	gamma-terpinene	0.9	15	1300	1298	geranyl formate	2.7	15	1161	1165	borneol	1.4	15	1120	1118	cis-p-menth-2-en-1-ol	0.4
16	1086	1086	terpinolene	0.4	16	1351	1350	citronellyl acetate	0.5	16	1174	1174	terpinen-4-ol	0.3	16	1137	1136	trans-p-menth-2-en-1-ol	0.3
17	1100	1098	linalool	1.0	17	1369	1374	alpha-copaene	0.2	17	1188	1186	alpha-terpineol	0.6	17	1176	1174	terpinen-4-ol	35.7
18	1142	1141	camphor	16.6	18	1378	1387	beta-bourbonene	0.6	18	1332	1335	delta-elemene	0.2	18	1188	1186	alpha-terpineol	2.4
19	1154	1155	isoborneol	0.6	19	1386	1390	beta-elemene	0.1	19	1358	-	n.i.	0.2	19	1369	1374	alpha-copaene	0.1
20	1163	1165	borneol	1.8	20	1411	1417	(E)-beta-caryophyllene	0.8	20	1369	1374	alpha-copaene	0.7	20	1402	1409	alpha-gurjunene	0.5
21	1175	1174	terpinen-4-ol	0.5	21	1432	1437	alpha-guayene	0.2	21	1386	1389	beta-elemene	0.9	21	1412	1417	(E)-beta-caryophyllene	0.6
22	1189	1186	alpha-terpineol	1.5	22	1437	1442	6,9-guaiadiene	3.2	22	1401	-	n.i.	0.3	22	1431	1439	aromadendrene	1.7
23	1196	1199	gamma-terpineol	0.2	23	1440	-	n.i.	0.7	23	1412	1417	(E)-beta-caryophyllene	0.1	23	1436	1444	seline-5,11-diene	0.2
24	1208	1204	verbenone	0.7	24	1446	1452	alpha-humulene	0.2	24	1428	1430	gamma-elemene	0.6	24	1443	1450	trans-muurola-3,5-diene	0.2
25	1283	1283	isobornyl acetate	1.1	25	1453	1458	allo-aromadendrene	0.2	25	1430	1432	(E)-alpha-bergamotene	0.1	25	1445	1452	alpha-humulene	0.2
26	1412	1417	(E)-beta-caryophyllene	2.6	26	1466	1465	cis-muurola-4(14),5-diene	0.1	26	1453	1458	allo-aromadendrene	1.1	26	1453	1460	allo-aromadendrene	0.7
27	1446	1452	alpha-humulene	0.2	27	1473	1476	geranyl propionate	1.1	27	1470	1478	gamma-muurolene	0.5	27	1467	1475	trans-cadina-1(6),4-diene	0.3
					28	1488	1496	viridiflorene	0.6	28	1474	1480	germacrene D	1.4	28	1478	1489	beta-selinene	0.1
					29	1507	1513	gamma-cadinene	0.1	29	1478	1480	ar-curcumene	6.6	29	1480	-	n.i.	0.1
					30	1517	1522	delta-cadinene	0.7	30	1486	-	n.i.	1.1	30	1484	1495	cis-cadina-1(6),4-diene	0.3
					31	1525	1530	citronell butanoate	0.8	31	1493	1493	alpha-zingiberene	34.9	31	1488	-	n.i.	1.4
					32	1557	1562	geranyl butanoate	0.7	32	1504	1505	(E,E)-alpha-farnesene	10.6	32	1489	1494	bicyclogermacrene	1.1
					33	1582	1584	2-phenyl-ethyl tiglate	0.8	33	1510	-	n.i.	0.4	33	1494	1500	alpha-muurolene	0.2
					34	1612	1622	10-epi-gamma-eudesmol	0.2	34	1520	1521	beta-sesquiphelandrene	11.8	34	1517	1522	delta-cadinene	1.6
					35	1662	1666	citronellyl tiglate	0.5	35	1527	1529	(E)-gamma-bisabolene	0.3	35	1518	-	n.i.	0.3
					36	1697	1696	geranyl tiglate	1.2	36	1544	1548	elemol	0.4	36	1525	1533	trans-cadina-1,4-diene	0.2
										37	1549	1559	germacrene B	0.3	37	1552	-	n.i.	0.1
										38	1560	1561	(E)-nerolidol	0.3	38	1570	1577	spathulenol	0.1
										39	1585	-	n.i.	0.2	39	1576	-	n.i.	0.8
										40	1609	-	n.i.	0.3	40	1584	1592	viridiflorol	0.3
															41	1586	1595	cubeban-11-ol	0.3

42	1595	1600	rosifoliol	0.2
43	1615	-	n.i.	0.3
44	1621	1629	epi-cubanol	0.4
45	1631	-	n.i.	0.1
46	1635	1645	cubanol	0.2

Total:	100.0	100.0	100.0	100.0
Total identified:	99.8	99.3	97.2	96.8
Monoterpenes :	39.6	0.4	19.8	45.2
Oxygenated monoterpenoids:	57.1	71.1	6.2	42.1
Sesquiterpenes:	3.4	7.7	72.4	9.9
Oxygenated sesquiterpenoids:	-	0.2	1.3	2.8
Others:	-	20.7	0.3	0.0

n.i.: Not identified

tr: trace (<0.1%)

[¥]RI exp: Experimental Retention Index;

[€]RI lit: Literature Retention Index (Adams);

*Essential oil labeled as *Illicium verum* containing non-corresponding composition and triacetin, which is not considered a natural compound;

** Normalized and corrected percentage area with response factors.