

P Myrtus communis

Common Name(s)

Arrayan (Sp.), Mirto (Sp.), Myrte (Ger.), Myrtle

How Used

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Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
67	1,8-CINEOLE	Plant	135	2065	0.01796423062126339
67	1,8-CINEOLE	Leaf	135	2065	-0.24081674980649576
0	2-BUTANOL	Plant	--	--	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	2-BUTANONE	Plant	--	--	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	2-METHYL-BUT-3-EN-2-OL	Plant	200	710	
0	2-METHYL-BUTANAL	Plant	2	6	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	2-METHYL-BUTANOL	Shoot	0.8	7	-1
0	2-METHYL-BUTYL-2-METHYL-BUTYRATE	Plant	2	6	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	2-METHYL-FURAN	Plant	--	--	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	2-METHYL-PROPANOL	Plant	2	6	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	2-METHYL-PROPYL-2-METHYL-PROPIONATE	Plant	2	6	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	3,6-DIGALLOYLGLUCOSE	Plant	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	5-METHYL-3-HEXANONE	Plant	--	--	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
16	ACETIC-ACID	Plant	--	1	-0.6988076937022064 Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
3	ACETONE	Plant	--	--	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	ALCOHOLS	Plant	667	1000	-0.6742987756649957 Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
0	ALDEHYDES	Plant	30	45	Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
0	ALPHA-FENCHOL	Shoot	--	10	-1.4142135623730954
2	ALPHA-HUMULENE	Plant	3	4	-0.7430109839502796 Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	ALPHA-MUUROLENE	Plant	--	--	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation	
0	ALPHA-P-DIMETHYL-STYRENE	Plant	--	1	-1	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
11	ALPHA-PHELLANDRENE	Shoot	1	10	-0.2839552167099319	
28	ALPHA-PINENE	Plant	242	1420	0.5234413297158256	
28	ALPHA-PINENE	Leaf	150	1420	-0.10118788305965953	
3	ALPHA-SELINENE	Plant	--	1	-0.9595850100763278	
13	ALPHA-TERPINENE	Shoot	--	4	-0.47000816500737647	
23	ALPHA-TERPINEOL	Leaf	20	88	0.4629879079223302	
23	ALPHA-TERPINEOL	Plant	58	88	-0.4123445345033982	
0	ALPHA-TERPINYL-ACETATE	Plant	58	88	-0.42016529961533833	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	ALPHA-THUJENE	Shoot	2	18	-0.23235009860030018	
3	AR-CURCUMENE	Plant	4	6	-0.589673085617198	
6	BETA-BISABOLENE	Plant	--	1	-0.6535148941588209	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	BETA-CARYOPHYLLENE	Shoot	7	40	-0.3288775565477849	
5	BETA-ELEMENE	Plant	3	4	-0.4608979924282207	
13	BETA-PINENE	Plant	2	8	-0.4268487360991912	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
3	BETA-SELINENE	Plant	--	1	-0.7709379055711856	

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
35	BORNEOL	Plant	--	--	Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
12	BORNYL-ACETATE	Plant	12	18	-0.45749105875331714
0	BUTYL-2-METHYLBUTYRATE	Plant	--	1	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	CALACORENE	Plant	--	--	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	CALAMENENE	Plant	1	2	-0.7588347614195404
9	CAMPHENE	Plant	8	30	-0.5545069597862352
41	CAMPHOR	Plant	12	18	-0.6448042875195812
37	CARVACROL	Plant	2	3	-0.8663816025698796 Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
19	CARVONE	Plant	8	12	-0.4319279701992528
0	CARVYL-ACETATE-I	Shoot	0.4	130	
0	CARVYL-ACETATE-II	Shoot	0.8	6	
31	CARYOPHYLLENE	Plant	3	4	-0.5710991250271118
8	CARYOPHYLLENE-OXIDE	Plant	2	3	-0.4090592161629753 Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	CIS-MYRTENYL-ACETATE	Plant	8	12	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
23	CITRIC-ACID	Fruit	--	--	
2	CITRONELLYL-ACETATE	Shoot	2	8.5	-0.20172491946646642

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	COPAENE	Plant	2	8	-0.7831643620957981 Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
19	D-LIMONENE	Plant	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	D-MYRTENOL	Plant	--	--	Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
8	DELTA-3-CARENE	Plant	--	--	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
9	DELTA-CADINENE	Plant	8	12	-0.480204637192657
7	DIPENTENE	Plant	--	--	
51	ELLAGIC-ACID	Plant	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	EO	Leaf	1000	5000	-0.5748200656170724
0	EO	Plant	1667	5900	-0.29173905112572635
76	EUGENOL	Shoot	1	15	-0.4811620591902165
0	FAT	Seed	120000	150000	-0.6077877171137942 ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
6	FURFURAL	Plant	--	1	-0.8970149171498789 Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
62	GALLIC-ACID	Plant	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	GALLOTANNINS	Plant	--	--	
11	GAMMA-TERPINENE	Plant	185	278	-0.4209013957366027 Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
13	GERANIAL	Shoot	--	1.5	-0.6210581561316936
35	GERANIOL	Plant	1	2	-0.44931709206646747
35	GERANIOL	Leaf	1	2	-0.19564022822357305
0	GERANYL-2-METHYLBUTYRATE	Plant	4	6	
0	GERANYL-2-METHYLPROPIONATE	Plant	4	6	
5	GERANYL-ACETATE	Plant	8	12	-0.55306285222535
5	GERANYL-ACETATE	Leaf	8	12	0.29682879796236855
5	HEXANAL	Plant	--	--	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
7	ISOBORNEOL	Plant	--	--	Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
0	ISOBUTYL-2-METHYL-BUTYRATE	Shoot	1	20	
0	ISOBUTYL-ISOBUTYRATE	Shoot	10	110	
0	KAEMPFEROL-GLYCOSIDE	Plant	--	--	Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
0	L-MYRTENOL	Plant	--	--	Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
60	LIMONENE	Plant	185	585	-0.1262705110543247
60	LIMONENE	Leaf	40	585	0.16763618493123245
0	LIMONENE-OXIDE-I	Shoot	0.4	2.5	
0	LIMONENE-OXIDE-II	Shoot	--	4.5	0.21270799391196718
0	LINALOL	Plant	18	505	-0.3180486984089818
53	LINALOOL	Plant	18	505	-0.5959988975523308
7	LINALYL-ACETATE	Plant	18	28	-0.5646034028299372
27	LINOLEIC-ACID	Seed	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
15	MALIC-ACID	Fruit	--	--	
6	METHYL-CHAVICOL	Plant	58	88	-1.0009165023038997
20	METHYL-EUGENOL	Plant	8	12	-0.6677721094092535 Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
22	MYRCENE	Plant	2	6	-0.46951072518303016
34	MYRICETIN	Plant	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
13	MYRICITRIN	Plant	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
6	MYRISTIC-ACID	Seed	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
5	MYRTENAL	Plant	4	6	1
2	MYRTENOL	Leaf	3	4	1.7099549006735737
2	MYRTENOL	Plant	3	4	-1
0	MYRTENOLS	Plant	334	500	Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
0	MYRTENYL-2-METHYL-BUTYRATE	Plant	1	2	
0	MYRTENYL-2-METHYL-PROPIONATE	Plant	8	12	
1	MYRTENYL-ACETATE	Leaf	40	262	
1	MYRTENYL-ACETATE	Plant	175	262	
0	MYRTOCOMMULON-A	Leaf	--	--	
0	MYRTOCOMMULON-B	Leaf	--	--	
0	MYRTOL	Leaf	--	--	
0	MYRTUCUMMULONE-A	Plant	--	--	J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
4	NERAL	Shoot	1	2	-0.5683722866724288
10	NEROL	Plant	--	--	
11	NEROLIDOL	Shoot	--	5	-0.3951214975377221
5	NERYL-ACETATE	Plant	--	--	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
18	OLEIC-ACID	Seed	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	P-CYMEN-8-OL	Shoot	--	1	-0.17036603907271525
16	P-CYMENE	Plant	30	106	-0.3926619251887391 Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
13	PALMITIC-ACID	Seed	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	PENTADECANE	Plant	1	2	
0	PERILLENE	Shoot	--	2.5	-0.356535455724173
0	PROPANOL	Shoot	--	2	
0	QUERCETIN-GLYCOSIDES	Plant	--	--	Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
0	RESIN	Plant	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
5	SABINENE	Shoot	0.4	3	-0.29272781709699197
0	SUGAR	Plant	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
35	TANNIN	Plant	140000	140000	0.8228868573581 List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
23	TERPINEN-4-OL	Plant	3	4	-0.27974574786240924 Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
9	TERPINOLENE	Plant	--	1	-0.7291018522032187
1	TOLUENE	Plant	200	710	-1
0	TRANS-ALLO-OCIMENE	Plant	2	6	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
8	TRANS-ANETHOLE	Shoot	--	5	-1
0	TRANS-CARVYL-ACETATE	Plant	--	1	
0	TRANS-OCIMENE	Shoot	1	30	-0.16788134283044173
5	VERBENONE	Plant	--	1	-1.0163839203754967 Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.