

**Dr. Duke's Phytochemical and Ethnobotanical Databases**

**Chemicals found in *Myrica cerifera***

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
8	STEARIC-ACID	Fruit				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
26	PHENOL	Bark				--
13	BETULIN	Fruit				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
21	LUPEOL	Stem				--
77	ZINC	Bark				--
7	LAURIC-ACID	Plant				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
5	STARCH	Plant				--
13	PALMITIC-ACID	Fruit				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
53	BETA-CAROTENE	Bark				--
0	THIAMINE	Bark				--
8	GLUTAMIC-ACID	Root				--
9	BETA-AMYRIN	Fruit				--
4	SILICON	Bark				--
6	MYRISTIC-ACID	Fruit				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
9	BETA-AMYRIN	Leaf				--
1	UROCADIOL	Plant				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	GUM	Plant				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
9	BETA-AMYRIN	Stem				--
13	MYRICITRIN	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
11	GAMMA-TERPINENE	Leaf				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
15	RIBOFLAVIN	Bark				--
10	ALPHA-AMYRIN	Root				--
1	MYRICADIOL	Bark				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.
31	THIAMIN	Bark				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
62	GALLIC-ACID	Plant				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
28	ALPHA-PINENE	Leaf				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
10	ALPHA-AMYRIN	Fruit				--
0	MYRCINE	Leaf				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	TARAXERONE	Plant				--
34	MYRICETIN	Plant				--
10	ALPHA-AMYRIN	Leaf				--
0	MIMULINE	Leaf				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
2	TARAXEROL	Plant				--
13	BETULIN	Stem				--
0	RESIN	Bark				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	MYRICERON-CAFFEOYL-ESTER	Branches				--
10	ALPHA-AMYRIN	Stem				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
13	BETULIN	Root				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	MYRICERONE-CAFFEYOYLESTER	Bark				--
21	LUPEOL	Root				--
53	LINALOOL	Leaf				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
41	TANNIC-ACID	Plant				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
4	PHOSPHORUS	Bark				--
13	BETULIN	Leaf				--
0	MYRICANONE	Bark				--
21	LUPEOL	Leaf				--
21	LUPEOL	Fruit				--
60	LIMONENE	Leaf				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	LINALOL	Leaf				--
24	CHROMIUM	Bark	0.3	1.5	-0.4384170629297457	--
60	SELENIUM	Bark	1.0	3.4	-0.14068469031161568	--
2	COBALT	Bark	1.0	3.5	-0.4435359137818475	--
14	MANGANESE	Bark	1.4	6.4	-0.633758174363261	--
4	TIN	Bark	5.0	22.0	1.1747019769018916	--
39	NIACIN	Bark	6.0	28.0	-0.5646715311970558	--
0	11-O-METHYL-(+,-)-MYRICANOL	Bark		40.0		--
6	IRON	Bark	10.0	47.0	-0.6960773901581655	--
5	ALUMINUM	Bark	33.0	151.0	-0.2025003035719614	--
0	5,11,17-TRI-O-ACETYL-(+,-)-MYRICANOL	Bark		160.0		--
2	TARAXEROL	Bark		400.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	MYRICANOL	Bark		480.0		--
65	MAGNESIUM	Bark	107.0	490.0	-0.8592515899594639	--
112	ASCORBIC-ACID	Bark	143.0	656.0	1.4146859532018246	--
1	SODIUM	Bark	166.0	760.0	0.5412869567682672	--
14	POTASSIUM	Bark	427.0	1960.0	-0.8740798009975701	--
0	KILOCALORIES	Bark		2290.0	-0.9548911719496972	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	EO	Plant	2000.0	4000.0	-0.4361356820223302	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	EO	Bark	436.0	4000.0	-0.6157342225469362	--
0	FAT	Bark	1744.0	8000.0	-0.8086779671088092	--
0	WAX	Fruit	5000.0	10000.0	-1.0	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
28	CALCIUM	Bark	2442.0	11200.0	-0.7142110629614871	--
0	FAT	Leaf		22000.0	-0.6867191610195872	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	TANNINS	Bark		39000.0	-1.0	--
0	PROTEIN	Seed		49000.0	-1.6438567224523035	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	ASH	Bark	13080.0	60000.0	-0.5791061098941602	--
5	STARCH	Bark	13080.0	60000.0	-0.3828390779117685	--
0	PROTEIN	Bark	13516.0	62000.0	-0.6361004787964526	--
0	SUGARS	Bark	19620.0	90000.0	0.9622504486493763	--
0	PROTEIN	Leaf		108000.0	-1.035954705344622	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	FIBER(CRUDE)	Bark		111000.0	-0.4107032279018778	--
15	FIBER	Bark		111000.0	-0.7221828980943402	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ASH	Leaf		127000.0	0.14356317818211736	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	FAT	Seed		133000.0	-0.6973327980000504	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
15	FIBER	Leaf		298000.0	1.6875471991693278	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	FIBER(DIETARY)	Bark		392000.0	-0.831678930044424	--
0	CARBOHYDRATES	Seed		743000.0	0.8727256764638311	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	CARBOHYDRATES	Leaf		743000.0	1.0429881203697926	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	WATER	Bark		782000.0	0.4581878715921525	--
0	CARBOHYDRATES	Bark	189660.0	870000.0	0.8634884216443927	--