

C MYRISTIC-ACID

Chemid

MYRISTICACID

ubiquitous

Yes

*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Abelmoschus esculentus	Seed	360	1540	-0.2758432857450111	--
Abelmoschus moschatus	Plant	--	--		--
Abelmoschus moschatus	Seed	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Achillea millefolium	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Aesculus hippocastanum	Leaf	--	--		Jim Duke's personal files.
Allium cepa	Bulb	10	100	-1	USDA's Ag Handbook 8 and sequelae)
Allium cepa	Seed Oil	--	--		Reddy, P. N., Azeemoddin, G., Rao, S. D. T. 1989. Processing and Analysis of Onionseed (Allium cepa) and its Fixed Oil. J. Amer. Oil Chem. Soc., 66(3): 365.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Allium sativum var. sativum	Bulb	--	614	1	--
Allium schoenoprasum	Leaf	30	375	1.8149858989461904	USDA's Ag Handbook 8 and sequelae)
Aloe vera	Juice	--	--		Yamaguchi, I., Mega, N., Sanada, H. 1993. Components of the Gel of Aloe vera (L.) Burm. F. Biosci Biotech Biochem 57(8): 1350-1352.
Ammi visnaga	Plant	--	--		--
Anacardium occidentale	Seed	3470	3530	-0.24979246471404634	--
Ananas comosus	Leaf	--	--		Wealth of India.
Anethum graveolens	Fruit	100	108	-0.2640487123172083	--
Anethum graveolens	Seed	100	108	-0.294589404195434	USDA's Ag Handbook 8 and sequelae)
Angelica archangelica	Fruit	--	--		--
Angelica sinensis	Root	--	--		Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Annona muricata	Plant	--	--		--
Annona reticulata	Plant	--	--		--
Apium graveolens	Pt	10	190		USDA's Ag Handbook 8 and sequelae)
Apium graveolens	Seed	125	213	-0.2932148633872675	--
Aquilegia vulgaris	Seed	--	--		--
Arachis hypogaea	Seed	250	300	-0.2920759581462153	--
Arctium lappa	Plant	--	--		--
Areca catechu	Seed	9240	30240	0.09986453515382752	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Argemone mexicana	Seed	--	--		--
Artemisia capillaris	Essential Oil	--	--		--
Asimina triloba	Fruit	306	4956	-0.035340472319039085	--
Asparagus officinalis	Shoot	10	129	1.4142135623730954	--
Astrocaryum vulgare	Seed Oil	--	--		Szpiz, R. R., Pereira, D. A., Lago, R. C. A. 1980. Comparison Between Oils From Three Brazilian Palms. Bol. Rec. Cent. Technol. Agric. Aliment (Rio de Janeiro) 14: 33-46. Cent Technol Agric Aliment Empresa Brasil Pesqui Aropecu Rio de Janeiro, Brazil.
Azadirachta indica	Fruit	630	630	-0.23942294885205886	--
Bactris gasipaes	Seed	89000	89000	0.8690837531334706	--
Bertholletia excelsa	Seed	6200	12600	-0.13105832061814157	--
Bidens pilosa	Plant	--	--		Jim Duke's personal files.
Bixa orellana	Seed	85	540	-0.2889341505846919	Duke, J. A. and duCellier, J. L. 1993. CRC Handbook of Alternative Cash Crops. CRC Press. Boca Raton, FL 33431. 536 pp. US \$312.50.
Brassica oleracea	Stem	--	--		--
Brassica oleracea var. sabellica l.	Leaf	30	190	-0.6121712197437659	--
Brassica oleracea var. viridis l.	Plant	--	--		--
Calendula officinalis	Seed	10300	16100	-0.08524029367925882	--
Camellia sinensis	Seed	--	--		--
Camellia sinensis	Seed Oil	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Camellia sinensis	Leaf	--	--		--
Capparis spinosa	Plant	--	--		--
Capsicum annuum	Fruit	10	136	-0.262727790139001	--
Capsicum frutescens	Fruit	10	82	-0.26527528291125785	USDA's Ag Handbook 8 and sequelae)
Capsicum frutescens	Seed	--	--		--
Carica papaya	Fruit	70	627	-0.23956447622829535	--
Carica papaya	Seed	--	--		--
Carica papaya	Seed Oil	--	4000	-0.5619514869490164	Jim Duke's personal files.
Carica papaya	Leaf	--	--		Jim Duke's personal files.
Carica papaya	Flower	--	--		Jim Duke's personal files.
Carthamus tinctorius	Seed	3000	9390	-0.1730799967535169	--
Carum carvi	Fruit	400	444	-0.24819764617872128	--
Carum carvi	Seed	400	444	-0.29019087360930124	USDA's Ag Handbook 8 and sequelae)
Carya illinoensis	Leaf	--	--		--
Ceiba pentandra	Seed	--	--		Abstract (See species file)
Centaurea calcitrapa	Plant	--	--		--
Cicer arietinum	Seed	90	100	-0.29469413111415144	USDA's Ag Handbook 8 and sequelae)
Cichorium endivia	Leaf	30	483	-0.40573956930075944	--
Cichorium intybus	Leaf	10	204	-0.6023075913949533	USDA's Ag Handbook 8 and sequelae)

Plant	Part	Low PPM	High PPM	StdDev	Reference
Cichorium intybus	Root	30	150	-0.5390201665235613	USDA's Ag Handbook 8 and sequelae)
Cinnamomum camphora	Plant	--	--		--
Cinnamomum verum	Seed	21900	25550	0.03846837905572463	Wealth of India.
Citrullus colocynthis	Seed	--	--		--
Citrullus lanatus	Seed	400	800	-0.2855305257263749	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Citrus aurantiifolia	Fruit	10	85	-0.26513375553502133	USDA's Ag Handbook 8 and sequelae)
Citrus reticulata	Fruit	10	80	-0.2653696344954155	USDA's Ag Handbook 8 and sequelae)
Citrus reticulata	Seed Oil	--	--		--
Cocos nucifera	Seed	7650	133015	1.4452781690520207	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Cocos nucifera	Seed Oil	--	--		Jim Duke's personal files.
Coffea arabica	Seed	--	--		--
Coix lacryma-jobi	Seed	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
Coriandrum sativum	Fruit	200	219	-0.2588121993964581	USDA's Ag Handbook 8 and sequelae)
Corylus avellana	Seed	11000	14300	-0.10880385039068424	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Croton tiglium	Seed	22500	37500	0.19490421388991006	--
Cucumis melo	Fruit	1500	8920	0.15166436748144413	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Cucumis sativus	Fruit	10	253	-0.25720822246577785	--
Cucurbita foetidissima	Seed	486	680	-0.2871014295071366	--
Cucurbita pepo	Flower	50	1030	1	USDA's Ag Handbook 8 and sequelae)
Cucurbita pepo	Fruit	60	714	-0.23546018231743712	USDA's Ag Handbook 8 and sequelae)
Cucurbita pepo	Seed	200	559	-0.28868542415273796	--
Cucurbita spp	Fruit	10	160	-0.2615955711291091	--
Cyamopsis tetragonoloba	Seed Oil	--	--		Varade, P. B., Misra, B. K., Sikka, K. C., Singh, S. P. 1984. Nutritive Assessment of Guar Oil (Cyamopsis tetragonoloba L. Taub). J Agr Food Chem, 32(5): 1073-1075.
Cydonia oblonga	Seed	--	--		--
Cynara cardunculus	Flower	20	135	-1	USDA's Ag Handbook 8 and sequelae)
Cyperus rotundus	Rhizome	--	--		--
Daucus carota	Root	10	80	-0.6449329009983664	--
Daucus carota	Seed	10470	36300	0.1791951760822931	--
Echinacea angustifolia	Root	--	--		--
Elaeis guineensis	Fruit	2300	48320	2.010390575387357	--
Elettaria cardamomum	Fruit	300	325	-0.2538115654361021	Revised USDA data received 1993.
Elettaria cardamomum	Seed Oil	--	--		--
Erythrina crista-galli	Seed	3175	3175	-0.25443972173213303	--
Eucalyptus globulus	Fruit	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Fagopyrum esculentum	Seed	115	115	-0.2944977681415562	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
Fagopyrum esculentum	Pollen Or Spore	--	--		--
Ferula assa-foetida	Seed Essent. Oil	--	212300	1	--
Ficus carica	Fruit	20	96	-0.26461482182215423	USDA's Ag Handbook 8 and sequelae)
Frangula purshiana	Plant	--	--		--
Fucus vesiculosus	Plant	--	--		Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Ginkgo biloba	Seed	60	133	-0.29426213257444195	USDA's Ag Handbook 8 and sequelae)
Ginkgo biloba	Pollen Or Spore	--	--		Jim Duke's personal files.
Glycine max	Seed	550	600	-0.28814869869431103	USDA's Ag Handbook 8 and sequelae)
Gossypium sp	Seed	2240	6830	-0.20659261074309973	--
Helianthus annuus	Seed	500	900	-0.2842214392424068	--
Hibiscus sabdariffa	Seed	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Hyoscyamus niger	Seed	750	1167	-0.280726178330212	--
Hypericum perforatum	Plant	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Iris x germanica	Rhizome	850	17000	1	--
Jatropha curcas	Seed	5400	8640	-0.1828981453832775	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Juglans regia	Seed	1890	1960	-0.27034512251234516	USDA's Ag Handbook 8 and sequelae)
Lablab purpureus	Plant	30	247	-1.4748983488020508	--
Lawsonia inermis	Seed Oil	--	--		--
Lens culinaris	Seed	30	34	-0.29555812819357036	USDA's Ag Handbook 8 and sequelae)
Leonotis nepetaefolia	Seed	3640	4940	-0.23133434529009642	--
Levisticum officinale	Root	--	--		--
Linum usitatissimum	Seed	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Lonicera japonica	Flower	--	--		--
Lupinus albus	Seed	130	145	-0.2941050421963658	--
Lycopersicon esculentum	Fruit	--	--		--
Lycopodium clavatum	Pollen Or Spore	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Macadamia spp	Seed	4680	6200	-0.21483985559209862	--
Maclura pomifera	Fruit	--	--		--
Malus domestica	Fruit	20	124	-0.26329389964394695	--
Mangifera indica	Fruit	90	492	-0.24593320815893743	--
Medicago sativa	Plant	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Mentha pulegium	Essential Oil	--	--		--
Mentha spicata	Leaf	40	275	-0.5522849047688323	USDA's Ag Handbook 8 and sequelae)
Mentha x piperita	Leaf	60	280	-0.5487621803585421	USDA's Ag Handbook 8 and sequelae)
Momordica charantia	Fruit	--	--		Jim Duke's personal files.
Momordica charantia	Seed Oil	--	--		Jim Duke's personal files.
Morinda citrifolia	Fruit	--	0.06	-0.2691408673141971	--
Moringa oleifera	Shoot	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Moringa oleifera	Seed	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Morus alba	Seed	--	--		--
Mucuna pruriens	Seed	15	125	-0.29436685949315944	--
Murraya sp	Plant	--	--		--
Musa x paradisiaca	Fruit	30	117	-0.2636241301884988	USDA's Ag Handbook 8 and sequelae)
Musa x paradisiaca	Plant	--	--		--
Myrica cerifera	Fruit	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Myristica fragrans	Seed	60	304000	3.8930735310997324	--
Myristica fragrans	Seed Essent. Oil	--	3000	-1	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Myristica fragrans	Essential Oil	--	--		--
Myrtus communis	Seed	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Nardostachys chinensis	Root	--	--		--
Nardostachys jatamansi	Plant	--	--		--
Nelumbo nucifera	Rhizome	--	--		--
Nelumbo nucifera	Seed	10	30	-0.2956104916529291	--
Nepeta cataria	Seed Oil	--	--		--
Nigella sativa	Seed	567	1082	-0.2818389018415849	--
Nigella sativa	Seed Oil	1900	18000	1.404878717372541	--
Oenothera biennis	Seed	--	--		--
Olea europaea	Fruit	300	800	-0.23140306419865772	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Opuntia ficus-indica	Flower	--	--		--
Origanum vulgare	Plant	1700	1831	1.0783683009274008	USDA's Ag Handbook 8 and sequelae)
Panax ginseng	Root	--	--		--
Panax quinquefolius	Root	--	--		--
Papaver somniferum	Seed Oil	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Passiflora incarnata	Plant	--	--		Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
Pastinaca sativa	Root	30	145	-0.5465853618431903	--
Petasites hybridus	Root	--	--		--
Petroselinum crispum	Seed	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Phaseolus lunatus	Seed	20	67	-0.2951261296538609	--
Phoenix dactylifera	Seed	2400	23000	-0.24363975823939635	--
Phyllanthus emblica	Fruit	1520	1520	-0.1974364939018999	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Phyllanthus emblica	Seed Oil	--	--		--
Pimpinella anisum	Seed	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Piper nigrum	Fruit	700	782	-0.23225222845607665	USDA's Ag Handbook 8 and sequelae)
Pistacia vera	Seed	282	468	-0.28987669285314893	--
Pisum sativum	Fruit	20	198	-0.25980289103011356	--
Plantago ovata	Seed	1300	1300	-0.2789850933065345	--
Plantago ovata	Seed Coat	--	--		--
Portulaca oleracea	Herb	7	140		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Prunella vulgaris	Leaf	--	--		--
Prunus cerasus	Fruit	20	144	-0.26235038380237036	--
Prunus cerasus	Seed	600	800	-0.2855305257263749	--
Prunus domestica	Seed	14820	15960	-0.08707301475681413	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Prunus dulcis	Seed	2980	3117	-0.2551989918928345	USDA's Ag Handbook 8 and sequelae)
Prunus laurocerasus	Seed	450	540	-0.2889341505846919	--
Psidium cattleianum	Fruit	120	620	-0.23989470677284716	--
Psidium guajava	Fruit	120	864	-0.22838381350561257	USDA's Ag Handbook 8 and sequelae)
Psophocarpus tetragonolobus	Leaf	10	43	-0.715739317406298	--
Psophocarpus tetragonolobus	Seed	10	305	-0.2920105038220169	--
Quisqualis indica	Seed	10350	12150	-0.13694920979599792	--
Raphanus sativus	Root	--	--		--
Rhus toxicodendron	Fruit	--	--		--
Rosmarinus officinalis	Leaf	1210	3755	1.8995312847931554	USDA's Ag Handbook 8 and sequelae)
Salvia sp.	Seed	230	360	-0.2912905062558344	--
Sambucus nigra	Seed	--	--		--
Sambucus nigra	Flower	--	--		--
Secale cereale	Seed	30	35	-0.29554503732873066	USDA's Ag Handbook 8 and sequelae)

Plant	Part	Low PPM	High PPM	StdDev	Reference
Serenoa repens	Seed	--	--		--
Serenoa repens	Fruit	4800	116000	5.20324818328259	--
Sesamum indicum	Seed	328	1728	-0.2733822031551511	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Sesamum indicum	Seed Oil	--	--		--
Silybum marianum	Seed	--	--		--
Solanum tuberosum	Tuber	10	48		--
Spartium junceum	Seed	--	--		--
Spinacia oleracea	Plant	1	950	-0.34172508190823475	--
Sterculia urens	Seed	9300	12090	-0.1377346616863788	--
Strychnos nux-vomica	Seed	360	450	-0.2901123284202632	--
Tamarindus indica	Fruit	70	102	-0.26433176706968126	USDA's Ag Handbook 8 and sequelae)
Tamarindus indica	Seed Oil	--	--		--
Taraxacum officinale	Pollen Or Spore	--	--		--
Terminalia catappa	Seed	700	5960	-0.21798166315362202	--
Terminalia pallida	Seed Oil	--	2000	-0.8429272304235246	Gunasekar, D., Sreeramulu, K., Rao, K. V. 1992. Fatty Acid Composition of the Seed Oil of Terminalia pallida. Asian J. Chem. 4 2: 400-401.
Tetragonia tetragonioides	Leaf	40	665	-0.27751240076619577	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Thespesia populnea	Seed	2000	2000	-0.26982148791875793	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Thymus vulgaris	Plant	1500	1620	0.7382551297828841	USDA's Ag Handbook 8 and sequelae)
Trifolium pratense	Pollen Or Spore	--	--		--
Triticum aestivum	Seed	--	--		--
Tussilago farfara	Leaf	--	--		--
Vanilla planifolia	Fruit	--	12	-0.268577588356776	--
Vernonia cinerea	Seed	3040	30400	0.10195907352817646	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Viburnum prunifolium	Bark	--	--		--
Vicia faba	Seed	--	0	-0.29600321759811954	USDA's Ag Handbook 8 and sequelae)
Vigna radiata	Sprout Seedling	--	0		USDA's Ag Handbook 8 and sequelae)
Vigna unguiculata	Fruit	10	82	-0.26527528291125785	USDA's Ag Handbook 8 and sequelae)
Vigna unguiculata	Seed	10	11	-0.295859218084883	USDA's Ag Handbook 8 and sequelae)
Vigna unguiculata	Shoot	10	98	-0.7071067811865472	--
Vigna unguiculata	Seed	20	60	-0.29521776570773867	USDA's Ag Handbook 8 and sequelae)
Vigna unguiculata	Shoot	10	98	-0.7071067811865472	USDA's Ag Handbook 8 and sequelae)
Virola surinamensis	Seed	418200	496000	6.197065742883551	--
Viscum album	Plant	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Vitellaria paradoxa	Seed Oil	--	--		Adomako, D. 1977. Fatty Acid Composition and Characteristics of Pentadesma Butyracea Fat Extracted From Ghana Seeds. J. Sci. Food Agr. 28: 384-386.
Vitis vinifera	Fruit	50	257	-0.25701951929746253	USDA's Ag Handbook 8 and sequelae)
Zanthoxylum clava-herculis	Bark	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Zea mays	Seed	--	--		--
Zingiber officinale	Rhizome	180	1650	-1	--
Zingiber officinale	Root	180	1650	1.7305384293651185	USDA's Ag Handbook 8 and sequelae)