

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for MYRISTIC-ACID

Plant	Part	Low PPM	High PPM	StdDev	Reference
Abelmoschus esculentus	Seed	360.0	1540.0	-0.2758432857450111	--
Abelmoschus moschatus	Seed				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Abelmoschus moschatus	Plant				--
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	10.0	100.0	-1.0	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.
Allium sativum var. sativum	Bulb		614.0	1.0	--
Allium schoenoprasum	Leaf	30.0	3635.0	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	3470.0	3530.0	-0.24979246471404634	--
Ananas comosus	Leaf				Wealth of India.
Anethum graveolens	Fruit	100.0	108.0	-0.2640487123172083	--
Anethum graveolens	Seed	100.0	108.0	-0.294589404195434	USDA's Ag Handbook 8 and sequelae)
Angelica sinensis	Root				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Angelica archangelica	Fruit				--
Annona reticulata	Plant				--
Annona muricata	Plant				--
Apium graveolens	Pt	10.0	190.0		USDA's Ag Handbook 8 and sequelae)

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Apium graveolens</i>	Seed	125.0	213.0	-0.2932148633872675	--
<i>Aquilegia vulgaris</i>	Seed				--
<i>Arachis hypogaea</i>	Seed	250.0	300.0	-0.2920759581462153	--
<i>Arctium lappa</i>	Plant				--
<i>Areca catechu</i>	Seed	9240.0	30240.0	0.09986453515382752	--
<i>Argemone mexicana</i>	Seed				--
<i>Artemisia capillaris</i>	Essential Oil				--
<i>Asimina triloba</i>	Fruit	306.0	4956.0	-0.035340472319039085	--
<i>Asparagus officinalis</i>	Shoot	10.0	129.0	1.4142135623730954	--
<i>Astrocaryum vulgare</i>	Seed Oil				Szpiz, R. R., Pereira, D. A., Lago, R. C. A. 1980. Comparison Between Oils From Three Brazilian Palms. Bol. Rec. Cent. Tecnol. Agric. Aliment (Rio de Janeiro) 14: 33-46. Cent Technol Agric Aliment Empresa Brasil Pesqui Aropecu Rio de Janeiro, Brazil.
<i>Azadirachta indica</i>	Fruit		630.0	-0.23942294885205886	--
<i>Bactris gasipaes</i>	Seed		89000.0	0.8690837531334706	--
<i>Bertholletia excelsa</i>	Seed	6200.0	12600.0	-0.13105832061814157	--
<i>Bidens pilosa</i>	Plant				Jim Duke's personal files.
<i>Bixa orellana</i>	Seed	85.0	540.0	-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.
<i>Brassica oleracea</i> var. <i>viridis</i> l.	Plant				--
<i>Brassica oleracea</i>	Stem				--
<i>Brassica oleracea</i> var. <i>sabellica</i> l.	Leaf	30.0	190.0	-0.6121712197437659	--
<i>Calendula officinalis</i>	Seed	10300.0	16100.0	-0.08524029367925882	--
<i>Camellia sinensis</i>	Seed Oil				--
<i>Camellia sinensis</i>	Leaf				--
<i>Camellia sinensis</i>	Seed				--
<i>Capparis spinosa</i>	Plant				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Capsicum annuum	Fruit	10.0	136.0	-0.262727790139001	--
Capsicum frutescens	Seed				--
Capsicum frutescens	Fruit	10.0	82.0	-0.26527528291125785	USDA's Ag Handbook 8 and sequelae)
Carica papaya	Flower				Jim Duke's personal files.
Carica papaya	Fruit	70.0	627.0	-0.23956447622829535	--
Carica papaya	Leaf				Jim Duke's personal files.
Carica papaya	Seed				--
Carica papaya	Seed Oil		4000.0	-0.5619514869490164	Jim Duke's personal files.
Carthamus tinctorius	Seed	3000.0	9390.0	-0.1730799967535169	--
Carum carvi	Seed	400.0	444.0	-0.29019087360930124	USDA's Ag Handbook 8 and sequelae)
Carum carvi	Fruit	400.0	444.0	-0.24819764617872128	--
Carya illinoensis	Leaf				--
Ceiba pentandra	Seed				Abstract (See species file)
Centaurea calcitrapa	Plant				--
Cicer arietinum	Seed	90.0	100.0	-0.29469413111415144	USDA's Ag Handbook 8 and sequelae)
Cichorium endivia	Leaf	30.0	483.0	-0.40573956930075944	--
Cichorium intybus	Root	30.0	150.0	-0.5390201665235613	USDA's Ag Handbook 8 and sequelae)
Cichorium intybus	Leaf	10.0	204.0	-0.6023075913949533	USDA's Ag Handbook 8 and sequelae)
Cinnamomum verum	Seed	21900.0	25550.0	0.03846837905572463	Wealth of India.
Cinnamomum camphora	Plant				--
Citrullus lanatus	Seed	400.0	800.0	-0.2855305257263749	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Citrullus colocynthis	Seed				--
Citrus reticulata	Seed Oil				--
Citrus reticulata	Fruit	10.0	80.0	-0.2653696344954155	USDA's Ag Handbook 8 and sequelae)
Citrus aurantiifolia	Fruit	10.0	85.0	-0.26513375553502133	USDA's Ag Handbook 8 and sequelae)

Plant	Part	Low PPM	High PPM	StdDev	Reference
Cocos nucifera	Seed	7650.0	133015.0	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	200.0	219.0	-0.2588121993964581	USDA's Ag Handbook 8 and sequelae)
Corylus avellana	Seed	11000.0	14300.0	-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	22500.0	37500.0	0.19490421388991006	--
Cucumis sativus	Fruit	10.0	253.0	-0.25720822246577785	--
Cucumis melo	Fruit	1500.0	8920.0	0.15166436748144413	--
Cucurbita pepo	Seed	200.0	559.0	-0.28868542415273796	--
Cucurbita pepo	Fruit	60.0	714.0	-0.23546018231743712	USDA's Ag Handbook 8 and sequelae)
Cucurbita spp	Fruit	10.0	160.0	-0.2615955711291091	--
Cucurbita pepo	Flower	50.0	1030.0	1.0	USDA's Ag Handbook 8 and sequelae)
Cucurbita foetidissima	Seed	486.0	680.0	-0.2871014295071366	--
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	20.0	135.0	-1.0	USDA's Ag Handbook 8 and sequelae)
Cyperus rotundus	Rhizome				--
Daucus carota	Root	10.0	80.0	-0.6449329009983664	--
Daucus carota	Seed	10470.0	36300.0	0.1791951760822931	--
Echinacea angustifolia	Root				--
Elaeis guineensis	Fruit	2300.0	48320.0	2.010390575387357	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Elettaria cardamomum	Seed Oil				--
Elettaria cardamomum	Fruit	300.0	325.0	-0.2538115654361021	Revised USDA data received 1993.
Erythrina crista-galli	Seed		3175.0	-0.25443972173213303	--
Eucalyptus globulus	Fruit				--
Fagopyrum esculentum	Seed		115.0	-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		212300.0	1.0	--
Ficus carica	Fruit	20.0	96.0	-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	60.0	133.0	-0.29426213257444195	USDA's Ag Handbook 8 and sequelae)
Ginkgo biloba	Pollen Or Spore				Jim Duke's personal files.
Glycine max	Seed	550.0	600.0	-0.28814869869431103	USDA's Ag Handbook 8 and sequelae)
Gossypium sp	Seed	2240.0	6830.0	-0.20659261074309973	--
Helianthus annuus	Seed	500.0	900.0	-0.2842214392424068	--
Hibiscus sabdariffa	Seed				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Hyoscyamus niger	Seed	750.0	1167.0	-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	850.0	17000.0	1.0	--
Jatropha curcas	Seed	5400.0	8640.0	-0.1828981453832775	--
Juglans regia	Seed	1890.0	1960.0	-0.27034512251234516	USDA's Ag Handbook 8 and sequelae)
Lablab purpureus	Plant	30.0	247.0	-1.4748983488020508	--
Lawsonia inermis	Seed Oil				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Lens culinaris	Seed	30.0	34.0	-0.29555812819357036	USDA's Ag Handbook 8 and sequelae)
Leonotis nepetaefolia	Seed	3640.0	4940.0	-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	130.0	145.0	-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	4680.0	6200.0	-0.21483985559209862	--
Maclura pomifera	Fruit				--
Malus domestica	Fruit	20.0	124.0	-0.26329389964394695	--
Mangifera indica	Fruit	90.0	492.0	-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.
Mentha x piperita	Leaf	60.0	280.0	-0.5487621803585421	USDA's Ag Handbook 8 and sequelae)
Mentha pulegium	Essential Oil				--
Mentha spicata	Leaf	40.0	275.0	-0.5522849047688323	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.

Plant	Part	Low PPM	High PPM	StdDev	Reference
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	15.0	125.0	-0.29436685949315944	--
Murraya sp	Plant				--
Musa x paradisiaca	Fruit	30.0	117.0	-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 Essent. Oil		3000.0	-1.0	--
Myristica fragrans	Seed	60.0	320000.0	3.8930735310997324	--
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 jatamansi	Plant				--
Nardostachys chinensis	Root				--
Nelumbo nucifera	Seed	10.0	30.0	-0.2956104916529291	--
Nelumbo nucifera	Rhizome				--
Nepeta cataria	Seed Oil				--
Nigella sativa	Seed	567.0	1082.0	-0.2818389018415849	--
Nigella sativa	Seed Oil	1900.0	18000.0	1.404878717372541	--
Oenothera biennis	Seed				--
Olea europaea	Fruit	300.0	800.0	-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	1700.0	1831.0	1.0783683009274008	USDA's Ag Handbook 8 and sequelae)

Plant	Part	Low PPM	High PPM	StdDev	Reference
Panax quinquefolius	Root				--
Panax ginseng	Root				--
Papaver somniferum	Seed Oil				--
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	30.0	145.0	-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	20.0	67.0	-0.2951261296538609	--
Phoenix dactylifera	Seed	2400.0	4000.0	-0.24363975823939635	--
Phyllanthus emblica	Seed Oil				--
Phyllanthus emblica	Fruit		1520.0	-0.1974364939018999	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Pimpinella anisum	Seed				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Piper nigrum	Fruit	700.0	782.0	-0.23225222845607665	USDA's Ag Handbook 8 and sequelae)
Pistacia vera	Seed	282.0	468.0	-0.28987669285314893	--
Pisum sativum	Fruit	20.0	198.0	-0.25980289103011356	--
Plantago ovata	Seed		1300.0	-0.2789850933065345	--
Plantago ovata	Seed Coat				--
Portulaca oleracea	Herb	7.0	140.0		--
Prunella vulgaris	Leaf				--
Prunus dulcis	Seed	2980.0	3117.0	-0.2551989918928345	USDA's Ag Handbook 8 and sequelae)
Prunus cerasus	Fruit	20.0	144.0	-0.26235038380237036	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Prunus domestica	Seed	14820.0	15960.0	-0.08707301475681413	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Prunus laurocerasus	Seed	450.0	540.0	-0.2889341505846919	--
Prunus cerasus	Seed	600.0	800.0	-0.2855305257263749	--
Psidium guajava	Fruit	120.0	864.0	-0.22838381350561257	USDA's Ag Handbook 8 and sequelae)
Psidium cattleianum	Fruit	120.0	620.0	-0.23989470677284716	--
Psophocarpus tetragonolobus	Seed	10.0	305.0	-0.2920105038220169	--
Psophocarpus tetragonolobus	Leaf	10.0	43.0	-0.715739317406298	--
Quisqualis indica	Seed	10350.0	12150.0	-0.13694920979599792	--
Raphanus sativus	Root				--
Rhus toxicodendron	Fruit				--
Rosmarinus officinalis	Leaf	1210.0	3755.0	1.8995312847931554	USDA's Ag Handbook 8 and sequelae)
Salvia sp.	Seed	230.0	360.0	-0.2912905062558344	--
Sambucus nigra	Flower				--
Sambucus nigra	Seed				--
Secale cereale	Seed	30.0	35.0	-0.29554503732873066	USDA's Ag Handbook 8 and sequelae)
Serenoa repens	Fruit	4800.0	116000.0	5.20324818328259	--
Serenoa repens	Seed				--
Sesamum indicum	Seed	328.0	1728.0	-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	10.0	48.0		--
Spartium junceum	Seed				--
Spinacia oleracea	Plant	1.0	950.0	-0.34172508190823475	--
Sterculia urens	Seed	9300.0	12090.0	-0.1377346616863788	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Strychnos nux-vomica</i>	Seed	360.0	450.0	-0.2901123284202632	--
<i>Tamarindus indica</i>	Fruit	70.0	102.0	-0.26433176706968126	USDA's Ag Handbook 8 and sequelae)
<i>Tamarindus indica</i>	Seed Oil				--
<i>Taraxacum officinale</i>	Pollen Or Spore				--
<i>Terminalia pallida</i>	Seed Oil		2000.0	-0.8429272304235246	Gunasekar, D., Sreeramulu, K., Rao, K. V. 1992. Fatty Acid Composition of the Seed Oil of <i>Terminalia pallida</i> . Asian J. Chem. 4 2: 400-401.
<i>Terminalia catappa</i>	Seed	700.0	5960.0	-0.21798166315362202	--
<i>Tetragonia tetragonioides</i>	Leaf	40.0	665.0	-0.27751240076619577	--
<i>Thespesia populnea</i>	Seed		2000.0	-0.26982148791875793	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Thymus vulgaris</i>	Plant	1500.0	1620.0	0.7382551297828841	USDA's Ag Handbook 8 and sequelae)
<i>Trifolium pratense</i>	Pollen Or Spore				--
<i>Triticum aestivum</i>	Seed				--
<i>Tussilago farfara</i>	Leaf				--
<i>Vanilla planifolia</i>	Fruit		12.0	-0.268577588356776	--
<i>Vernonia cinerea</i>	Seed	3040.0	30400.0	0.10195907352817646	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Viburnum prunifolium</i>	Bark				--
<i>Vicia faba</i>	Seed		0.0	-0.29600321759811954	USDA's Ag Handbook 8 and sequelae)
<i>Vigna unguiculata</i>	Seed	10.0	11.0	-0.295859218084883	USDA's Ag Handbook 8 and sequelae)
<i>Vigna unguiculata</i>	Fruit	10.0	82.0	-0.26527528291125785	USDA's Ag Handbook 8 and sequelae)
<i>Vigna unguiculata</i>	Seed	20.0	60.0	-0.29521776570773867	USDA's Ag Handbook 8 and sequelae)
<i>Vigna radiata</i>	Sprout Seedling		0.0		USDA's Ag Handbook 8 and sequelae)
<i>Vigna unguiculata</i>	Shoot	10.0	98.0	-0.7071067811865472	--
<i>Vigna unguiculata</i>	Shoot	10.0	98.0	-0.7071067811865472	USDA's Ag Handbook 8 and sequelae)

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Virola surinamensis</i>	Seed	418200.0	496000.0	6.197065742883551	--
<i>Viscum album</i>	Plant				--
<i>Vitellaria paradoxa</i>	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.
<i>Vitis vinifera</i>	Fruit	50.0	257.0	-0.25701951929746253	USDA's Ag Handbook 8 and sequelae)
<i>Zanthoxylum clava-herculis</i>	Bark				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Zea mays</i>	Seed				--
<i>Zingiber officinale</i>	Root	180.0	1650.0	1.7305384293651185	USDA's Ag Handbook 8 and sequelae)
<i>Zingiber officinale</i>	Rhizome	180.0	1650.0	-1.0	--