

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for MYRISTIC-ACID

Plant	Part	Low PPM	High PPM	StdDev	Reference
Opuntia ficus-indica	Flower				--
Linum usitatissimum	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Petasites hybridus	Root				--
Panax quinquefolius	Root				--
Nardostachys chinensis	Root				--
Citrullus colocynthis	Seed				--
Camellia sinensis	Seed Oil				--
Camellia sinensis	Leaf				--
Artemisia capillaris	Essential Oil				--
Lonicera japonica	Flower				--
Aquilegia vulgaris	Seed				--
Carica papaya	Seed				--
Portulaca oleracea	Herb	7.0	140.0		--
Achillea millefolium	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Mentha pulegium	Essential Oil				--
Morus alba	Seed				--
Spartium junceum	Seed				--
Silybum marianum	Seed				--
Echinacea angustifolia	Root				--
Annona muricata	Plant				--
Myristica fragrans	Essential Oil				--
Ammi visnaga	Plant				--
Sambucus nigra	Flower				--
Nardostachys jatamansi	Plant				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Tamarindus indica	Seed Oil				--
Moringa oleifera	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Apium graveolens	Pt	10.0	190.0		USDA's Ag Handbook 8 and sequelae)
Vigna radiata	Sprout Seedling		0.0		USDA's Ag Handbook 8 and sequelae)
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.
Centaurea calcitrapa	Plant				--
Medicago sativa	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Rhus toxicodendron	Fruit				--
Phyllanthus emblica	Seed Oil				--
Petroselinum crispum	Seed				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Capparis spinosa	Plant				--
Sambucus nigra	Seed				--
Argemone mexicana	Seed				--
Fucus vesiculosus	Plant				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Bidens pilosa	Plant				Jim Duke's personal files.
Sesamum indicum	Seed Oil				--
Cydonia oblonga	Seed				--
Oenothera biennis	Seed				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<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. Technol. Agric. Aliment (Rio de Janeiro) 14: 33-46. Cent Technol Agric Aliment Empresa Brasil Pesqui Aropecu Rio de Janeiro, Brazil.
<i>Hypericum perforatum</i>	Plant				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Solanum tuberosum</i>	Tuber	10.0	48.0		--
<i>Angelica archangelica</i>	Fruit				--
<i>Allium cepa</i>	Seed Oil				Reddy, P. N., Azeemoddin, G., Rao, S. D. T. 1989. Processing and Analysis of Onionseed (<i>Allium cepa</i>) and its Fixed Oil. J. Amer. Oil Chem. Soc., 66(3): 365.
<i>Plantago ovata</i>	Seed Coat				--
<i>Carica papaya</i>	Leaf				Jim Duke's personal files.
<i>Carica papaya</i>	Flower				Jim Duke's personal files.
<i>Capsicum frutescens</i>	Seed				--
<i>Raphanus sativus</i>	Root				--
<i>Annona reticulata</i>	Plant				--
<i>Coffea arabica</i>	Seed				--
<i>Cocos nucifera</i>	Seed Oil				Jim Duke's personal files.
<i>Murraya sp</i>	Plant				--
<i>Abelmoschus moschatus</i>	Plant				--
<i>Taraxacum officinale</i>	Pollen Or Spore				--
<i>Citrus reticulata</i>	Seed Oil				--
<i>Hibiscus sabdariffa</i>	Seed				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Angelica sinensis</i>	Root				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Ananas comosus</i>	Leaf				Wealth of India.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Prunella vulgaris</i>	Leaf				--
<i>Maclura pomifera</i>	Fruit				--
<i>Moringa oleifera</i>	Shoot				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Abelmoschus moschatus</i>	Seed				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
<i>Frangula purshiana</i>	Plant				--
<i>Triticum aestivum</i>	Seed				--
<i>Arctium lappa</i>	Plant				--
<i>Tussilago farfara</i>	Leaf				--
<i>Viburnum prunifolium</i>	Bark				--
<i>Aloe vera</i>	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.
<i>Camellia sinensis</i>	Seed				--
<i>Myrtus communis</i>	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Lawsonia inermis</i>	Seed Oil				--
<i>Myrica cerifera</i>	Fruit				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Eucalyptus globulus</i>	Fruit				--
<i>Ceiba pentandra</i>	Seed				Abstract (See species file)
<i>Musa x paradisiaca</i>	Plant				--
<i>Lycopodium clavatum</i>	Pollen Or Spore				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Zea mays</i>	Seed				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Coix lacryma-jobi	Seed				Chemical Constituents of Oriental Herbs (3 diff. books)
Carya illinoensis	Leaf				--
Cinnamomum camphora	Plant				--
Elettaria cardamomum	Seed Oil				--
Fagopyrum esculentum	Pollen Or Spore				--
Brassica oleracea	Stem				--
Momordica charantia	Fruit				Jim Duke's personal files.
Momordica charantia	Seed Oil				Jim Duke's personal files.
Nelumbo nucifera	Rhizome				--
Nepeta cataria	Seed Oil				--
Cyperus rotundus	Rhizome				--
Papaver somniferum	Seed Oil				--
Serenoa repens	Seed				--
Panax ginseng	Root				--
Ginkgo biloba	Pollen Or Spore				Jim Duke's personal files.
Viscum album	Plant				--
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.
Pimpinella anisum	Seed				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Brassica oleracea var. viridis l.	Plant				--
Trifolium pratense	Pollen Or Spore				--
Aesculus hippocastanum	Leaf				Jim Duke's personal files.
Zanthoxylum clava-herculis	Bark				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
Lycopersicon esculentum	Fruit				--
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.
Levisticum officinale	Root				--
Lablab purpureus	Plant	30.0	247.0	-1.4748983488020508	--
Myristica fragrans	Seed Essent. Oil		3000.0	-1.0	--
Zingiber officinale	Rhizome	180.0	1650.0	-1.0	--
Cynara cardunculus	Flower	20.0	135.0	-1.0	USDA's Ag Handbook 8 and sequelae)
Allium cepa	Bulb	10.0	100.0	-1.0	USDA's Ag Handbook 8 and sequelae)
Terminalia pallida	Seed Oil		2000.0	-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.
Psophocarpus tetragonolobus	Leaf	10.0	43.0	-0.715739317406298	--
Vigna unguiculata	Shoot	10.0	98.0	-0.7071067811865472	--
Vigna unguiculata	Shoot	10.0	98.0	-0.7071067811865472	USDA's Ag Handbook 8 and sequelae)
Daucus carota	Root	10.0	80.0	-0.6449329009983664	--
Brassica oleracea var. sabellica l.	Leaf	30.0	190.0	-0.6121712197437659	--
Cichorium intybus	Leaf	10.0	204.0	-0.6023075913949533	USDA's Ag Handbook 8 and sequelae)
Carica papaya	Seed Oil		4000.0	-0.5619514869490164	Jim Duke's personal files.
Mentha spicata	Leaf	40.0	275.0	-0.5522849047688323	USDA's Ag Handbook 8 and sequelae)
Mentha x piperita	Leaf	60.0	280.0	-0.5487621803585421	USDA's Ag Handbook 8 and sequelae)
Pastinaca sativa	Root	30.0	145.0	-0.5465853618431903	--
Cichorium intybus	Root	30.0	150.0	-0.5390201665235613	USDA's Ag Handbook 8 and sequelae)
Cichorium endivia	Leaf	30.0	483.0	-0.40573956930075944	--
Spinacia oleracea	Plant	1.0	950.0	-0.34172508190823475	--
Vicia faba	Seed		0.0	-0.29600321759811954	USDA's Ag Handbook 8 and sequelae)

Plant	Part	Low PPM	High PPM	StdDev	Reference
Vigna unguiculata	Seed	10.0	11.0	-0.295859218084883	USDA's Ag Handbook 8 and sequelae)
Nelumbo nucifera	Seed	10.0	30.0	-0.2956104916529291	--
Lens culinaris	Seed	30.0	34.0	-0.29555812819357036	USDA's Ag Handbook 8 and sequelae)
Secale cereale	Seed	30.0	35.0	-0.29554503732873066	USDA's Ag Handbook 8 and sequelae)
Vigna unguiculata	Seed	20.0	60.0	-0.29521776570773867	USDA's Ag Handbook 8 and sequelae)
Phaseolus lunatus	Seed	20.0	67.0	-0.2951261296538609	--
Cicer arietinum	Seed	90.0	100.0	-0.29469413111415144	USDA's Ag Handbook 8 and sequelae)
Anethum graveolens	Seed	100.0	108.0	-0.294589404195434	USDA's Ag Handbook 8 and sequelae)
Fagopyrum esculentum	Seed		115.0	-0.2944977681415562	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
Mucuna pruriens	Seed	15.0	125.0	-0.29436685949315944	--
Ginkgo biloba	Seed	60.0	133.0	-0.29426213257444195	USDA's Ag Handbook 8 and sequelae)
Lupinus albus	Seed	130.0	145.0	-0.2941050421963658	--
Apium graveolens	Seed	125.0	213.0	-0.2932148633872675	--
Arachis hypogaea	Seed	250.0	300.0	-0.2920759581462153	--
Psophocarpus tetragonolobus	Seed	10.0	305.0	-0.2920105038220169	--
Salvia sp.	Seed	230.0	360.0	-0.2912905062558344	--
Carum carvi	Seed	400.0	444.0	-0.29019087360930124	USDA's Ag Handbook 8 and sequelae)
Strychnos nux-vomica	Seed	360.0	450.0	-0.2901123284202632	--
Pistacia vera	Seed	282.0	468.0	-0.28987669285314893	--
Prunus laurocerasus	Seed	450.0	540.0	-0.2889341505846919	--
Bixa orellana	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.
Cucurbita pepo	Seed	200.0	559.0	-0.28868542415273796	--
Glycine max	Seed	550.0	600.0	-0.28814869869431103	USDA's Ag Handbook 8 and sequelae)

Plant	Part	Low PPM	High PPM	StdDev	Reference
Cucurbita foetidissima	Seed	486.0	680.0	-0.2871014295071366	--
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.
Prunus cerasus	Seed	600.0	800.0	-0.2855305257263749	--
Helianthus annuus	Seed	500.0	900.0	-0.2842214392424068	--
Nigella sativa	Seed	567.0	1082.0	-0.2818389018415849	--
Hyoscyamus niger	Seed	750.0	1167.0	-0.280726178330212	--
Plantago ovata	Seed		1300.0	-0.2789850933065345	--
Tetragonia tetragonioides	Leaf	40.0	665.0	-0.27751240076619577	--
Abelmoschus esculentus	Seed	360.0	1540.0	-0.2758432857450111	--
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.
Juglans regia	Seed	1890.0	1960.0	-0.27034512251234516	USDA's Ag Handbook 8 and sequelae)
Thespesia populnea	Seed		2000.0	-0.26982148791875793	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Morinda citrifolia	Fruit		0.06	-0.2691408673141971	--
Vanilla planifolia	Fruit		12.0	-0.268577588356776	--
Citrus reticulata	Fruit	10.0	80.0	-0.2653696344954155	USDA's Ag Handbook 8 and sequelae)
Capsicum frutescens	Fruit	10.0	82.0	-0.26527528291125785	USDA's Ag Handbook 8 and sequelae)
Vigna unguiculata	Fruit	10.0	82.0	-0.26527528291125785	USDA's Ag Handbook 8 and sequelae)
Citrus aurantiifolia	Fruit	10.0	85.0	-0.26513375553502133	USDA's Ag Handbook 8 and sequelae)
Ficus carica	Fruit	20.0	96.0	-0.26461482182215423	USDA's Ag Handbook 8 and sequelae)
Tamarindus indica	Fruit	70.0	102.0	-0.26433176706968126	USDA's Ag Handbook 8 and sequelae)
Anethum graveolens	Fruit	100.0	108.0	-0.2640487123172083	--
Musa x paradisiaca	Fruit	30.0	117.0	-0.2636241301884988	USDA's Ag Handbook 8 and sequelae)

Plant	Part	Low PPM	High PPM	StdDev	Reference
Malus domestica	Fruit	20.0	124.0	-0.26329389964394695	--
Capsicum annuum	Fruit	10.0	136.0	-0.262727790139001	--
Prunus cerasus	Fruit	20.0	144.0	-0.26235038380237036	--
Cucurbita spp	Fruit	10.0	160.0	-0.2615955711291091	--
Pisum sativum	Fruit	20.0	198.0	-0.25980289103011356	--
Coriandrum sativum	Fruit	200.0	219.0	-0.2588121993964581	USDA's Ag Handbook 8 and sequelae)
Cucumis sativus	Fruit	10.0	253.0	-0.25720822246577785	--
Vitis vinifera	Fruit	50.0	257.0	-0.25701951929746253	USDA's Ag Handbook 8 and sequelae)
Prunus dulcis	Seed	2980.0	3117.0	-0.2551989918928345	USDA's Ag Handbook 8 and sequelae)
Erythrina crista-galli	Seed		3175.0	-0.25443972173213303	--
Elettaria cardamomum	Fruit	300.0	325.0	-0.2538115654361021	Revised USDA data received 1993.
Anacardium occidentale	Seed	3470.0	3530.0	-0.24979246471404634	--
Carum carvi	Fruit	400.0	444.0	-0.24819764617872128	--
Mangifera indica	Fruit	90.0	492.0	-0.24593320815893743	--
Phoenix dactylifera	Seed	2400.0	4000.0	-0.24363975823939635	--
Psidium cattleianum	Fruit	120.0	620.0	-0.23989470677284716	--
Carica papaya	Fruit	70.0	627.0	-0.23956447622829535	--
Azadirachta indica	Fruit		630.0	-0.23942294885205886	--
Cucurbita pepo	Fruit	60.0	714.0	-0.23546018231743712	USDA's Ag Handbook 8 and sequelae)
Piper nigrum	Fruit	700.0	782.0	-0.23225222845607665	USDA's Ag Handbook 8 and sequelae)
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.
Leonotis nepetaefolia	Seed	3640.0	4940.0	-0.23133434529009642	--
Psidium guajava	Fruit	120.0	864.0	-0.22838381350561257	USDA's Ag Handbook 8 and sequelae)
Terminalia catappa	Seed	700.0	5960.0	-0.21798166315362202	--
Macadamia spp	Seed	4680.0	6200.0	-0.21483985559209862	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Gossypium sp	Seed	2240.0	6830.0	-0.20659261074309973	--
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.
Jatropha curcas	Seed	5400.0	8640.0	-0.1828981453832775	--
Carthamus tinctorius	Seed	3000.0	9390.0	-0.1730799967535169	--
Sterculia urens	Seed	9300.0	12090.0	-0.1377346616863788	--
Quisqualis indica	Seed	10350.0	12150.0	-0.13694920979599792	--
Bertholletia excelsa	Seed	6200.0	12600.0	-0.13105832061814157	--
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.
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.
Calendula officinalis	Seed	10300.0	16100.0	-0.08524029367925882	--
Asimina triloba	Fruit	306.0	4956.0	-0.035340472319039085	--
Cinnamomum verum	Seed	21900.0	25550.0	0.03846837905572463	Wealth of India.
Areca catechu	Seed	9240.0	30240.0	0.09986453515382752	--
Vernonia cinerea	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.
Cucumis melo	Fruit	1500.0	8920.0	0.15166436748144413	--
Daucus carota	Seed	10470.0	36300.0	0.1791951760822931	--
Croton tiglium	Seed	22500.0	37500.0	0.19490421388991006	--
Thymus vulgaris	Plant	1500.0	1620.0	0.7382551297828841	USDA's Ag Handbook 8 and sequelae)
Bactris gasipaes	Seed		89000.0	0.8690837531334706	--
Allium sativum var. sativum	Bulb		614.0	1.0	--
Iris x germanica	Rhizome	850.0	17000.0	1.0	--
Cucurbita pepo	Flower	50.0	1030.0	1.0	USDA's Ag Handbook 8 and sequelae)

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Ferula assa-foetida</i>	Seed Essent. Oil		212300.0	1.0	--
<i>Origanum vulgare</i>	Plant	1700.0	1831.0	1.0783683009274008	USDA's Ag Handbook 8 and sequelae)
<i>Nigella sativa</i>	Seed Oil	1900.0	18000.0	1.404878717372541	--
<i>Asparagus officinalis</i>	Shoot	10.0	129.0	1.4142135623730954	--
<i>Cocos nucifera</i>	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.
<i>Zingiber officinale</i>	Root	180.0	1650.0	1.7305384293651185	USDA's Ag Handbook 8 and sequelae)
<i>Allium schoenoprasum</i>	Leaf	30.0	3635.0	1.8149858989461904	USDA's Ag Handbook 8 and sequelae)
<i>Rosmarinus officinalis</i>	Leaf	1210.0	3755.0	1.8995312847931554	USDA's Ag Handbook 8 and sequelae)
<i>Elaeis guineensis</i>	Fruit	2300.0	48320.0	2.010390575387357	--
<i>Myristica fragrans</i>	Seed	60.0	320000.0	3.8930735310997324	--
<i>Serenoa repens</i>	Fruit	4800.0	116000.0	5.20324818328259	--
<i>Virola surinamensis</i>	Seed	418200.0	496000.0	6.197065742883551	--