

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

**List of Plants for MYRISTIC-ACID**

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Virola surinamensis</i>	Seed	418200.0	496000.0	6.197065742883551	--
<i>Croton tiglium</i>	Seed	22500.0	37500.0	0.19490421388991006	--
<i>Cinnamomum verum</i>	Seed	21900.0	25550.0	0.03846837905572463	Wealth of India.
<i>Prunus domestica</i>	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.
<i>Corylus avellana</i>	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.
<i>Daucus carota</i>	Seed	10470.0	36300.0	0.1791951760822931	--
<i>Quisqualis indica</i>	Seed	10350.0	12150.0	-0.13694920979599792	--
<i>Calendula officinalis</i>	Seed	10300.0	16100.0	-0.08524029367925882	--
<i>Sterculia urens</i>	Seed	9300.0	12090.0	-0.1377346616863788	--
<i>Areca catechu</i>	Seed	9240.0	30240.0	0.09986453515382752	--
<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>Bertholletia excelsa</i>	Seed	6200.0	12600.0	-0.13105832061814157	--
<i>Jatropha curcas</i>	Seed	5400.0	8640.0	-0.1828981453832775	--
<i>Serenoa repens</i>	Fruit	4800.0	116000.0	5.20324818328259	--
<i>Macadamia spp</i>	Seed	4680.0	6200.0	-0.21483985559209862	--
<i>Leonotis nepetaefolia</i>	Seed	3640.0	4940.0	-0.23133434529009642	--
<i>Anacardium occidentale</i>	Seed	3470.0	3530.0	-0.24979246471404634	--
<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>Carthamus tinctorius</i>	Seed	3000.0	9390.0	-0.1730799967535169	--
<i>Prunus dulcis</i>	Seed	2980.0	3117.0	-0.2551989918928345	USDA's Ag Handbook 8 and sequelae)
<i>Phoenix dactylifera</i>	Seed	2400.0	4000.0	-0.24363975823939635	--
<i>Elaeis guineensis</i>	Fruit	2300.0	48320.0	2.010390575387357	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Gossypium sp	Seed	2240.0	6830.0	-0.20659261074309973	--
Nigella sativa	Seed Oil	1900.0	18000.0	1.404878717372541	--
Juglans regia	Seed	1890.0	1960.0	-0.27034512251234516	USDA's Ag Handbook 8 and sequelae)
Origanum vulgare	Plant	1700.0	1831.0	1.0783683009274008	USDA's Ag Handbook 8 and sequelae)
Cucumis melo	Fruit	1500.0	8920.0	0.15166436748144413	--
Thymus vulgaris	Plant	1500.0	1620.0	0.7382551297828841	USDA's Ag Handbook 8 and sequelae)
Rosmarinus officinalis	Leaf	1210.0	3755.0	1.8995312847931554	USDA's Ag Handbook 8 and sequelae)
Iris x germanica	Rhizome	850.0	17000.0	1.0	--
Hyoscyamus niger	Seed	750.0	1167.0	-0.280726178330212	--
Terminalia catappa	Seed	700.0	5960.0	-0.21798166315362202	--
Piper nigrum	Fruit	700.0	782.0	-0.23225222845607665	USDA's Ag Handbook 8 and sequelae)
Prunus cerasus	Seed	600.0	800.0	-0.2855305257263749	--
Nigella sativa	Seed	567.0	1082.0	-0.2818389018415849	--
Glycine max	Seed	550.0	600.0	-0.28814869869431103	USDA's Ag Handbook 8 and sequelae)
Helianthus annuus	Seed	500.0	900.0	-0.2842214392424068	--
Cucurbita foetidissima	Seed	486.0	680.0	-0.2871014295071366	--
Prunus laurocerasus	Seed	450.0	540.0	-0.2889341505846919	--
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	--
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.
Abelmoschus esculentus	Seed	360.0	1540.0	-0.2758432857450111	--
Strychnos nux-vomica	Seed	360.0	450.0	-0.2901123284202632	--
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.
Asimina triloba	Fruit	306.0	4956.0	-0.035340472319039085	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Olea europaea</i>	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.
<i>Elettaria cardamomum</i>	Fruit	300.0	325.0	-0.2538115654361021	Revised USDA data received 1993.
<i>Pistacia vera</i>	Seed	282.0	468.0	-0.28987669285314893	--
<i>Arachis hypogaea</i>	Seed	250.0	300.0	-0.2920759581462153	--
<i>Salvia sp.</i>	Seed	230.0	360.0	-0.2912905062558344	--
<i>Coriandrum sativum</i>	Fruit	200.0	219.0	-0.2588121993964581	USDA's Ag Handbook 8 and sequelae)
<i>Cucurbita pepo</i>	Seed	200.0	559.0	-0.28868542415273796	--
<i>Zingiber officinale</i>	Rhizome	180.0	1650.0	-1.0	--
<i>Zingiber officinale</i>	Root	180.0	1650.0	1.7305384293651185	USDA's Ag Handbook 8 and sequelae)
<i>Lupinus albus</i>	Seed	130.0	145.0	-0.2941050421963658	--
<i>Apium graveolens</i>	Seed	125.0	213.0	-0.2932148633872675	--
<i>Psidium cattleianum</i>	Fruit	120.0	620.0	-0.23989470677284716	--
<i>Psidium guajava</i>	Fruit	120.0	864.0	-0.22838381350561257	USDA's Ag Handbook 8 and sequelae)
<i>Anethum graveolens</i>	Seed	100.0	108.0	-0.294589404195434	USDA's Ag Handbook 8 and sequelae)
<i>Anethum graveolens</i>	Fruit	100.0	108.0	-0.2640487123172083	--
<i>Cicer arietinum</i>	Seed	90.0	100.0	-0.29469413111415144	USDA's Ag Handbook 8 and sequelae)
<i>Mangifera indica</i>	Fruit	90.0	492.0	-0.24593320815893743	--
<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>Carica papaya</i>	Fruit	70.0	627.0	-0.23956447622829535	--
<i>Tamarindus indica</i>	Fruit	70.0	102.0	-0.26433176706968126	USDA's Ag Handbook 8 and sequelae)
<i>Myristica fragrans</i>	Seed	60.0	320000.0	3.8930735310997324	--
<i>Ginkgo biloba</i>	Seed	60.0	133.0	-0.29426213257444195	USDA's Ag Handbook 8 and sequelae)
<i>Mentha x piperita</i>	Leaf	60.0	280.0	-0.5487621803585421	USDA's Ag Handbook 8 and sequelae)

Plant	Part	Low PPM	High PPM	StdDev	Reference
Cucurbita pepo	Fruit	60.0	714.0	-0.23546018231743712	USDA's Ag Handbook 8 and sequelae)
Vitis vinifera	Fruit	50.0	257.0	-0.25701951929746253	USDA's Ag Handbook 8 and sequelae)
Cucurbita pepo	Flower	50.0	1030.0	1.0	USDA's Ag Handbook 8 and sequelae)
Mentha spicata	Leaf	40.0	275.0	-0.5522849047688323	USDA's Ag Handbook 8 and sequelae)
Tetragonia tetragonioides	Leaf	40.0	665.0	-0.27751240076619577	--
Musa x paradisiaca	Fruit	30.0	117.0	-0.2636241301884988	USDA's Ag Handbook 8 and sequelae)
Cichorium intybus	Root	30.0	150.0	-0.5390201665235613	USDA's Ag Handbook 8 and sequelae)
Brassica oleracea var. sabellica l.	Leaf	30.0	190.0	-0.6121712197437659	--
Secale cereale	Seed	30.0	35.0	-0.29554503732873066	USDA's Ag Handbook 8 and sequelae)
Allium schoenoprasum	Leaf	30.0	3635.0	1.8149858989461904	USDA's Ag Handbook 8 and sequelae)
Pastinaca sativa	Root	30.0	145.0	-0.5465853618431903	--
Lens culinaris	Seed	30.0	34.0	-0.29555812819357036	USDA's Ag Handbook 8 and sequelae)
Cichorium endivia	Leaf	30.0	483.0	-0.40573956930075944	--
Lablab purpureus	Plant	30.0	247.0	-1.4748983488020508	--
Ficus carica	Fruit	20.0	96.0	-0.26461482182215423	USDA's Ag Handbook 8 and sequelae)
Pisum sativum	Fruit	20.0	198.0	-0.25980289103011356	--
Prunus cerasus	Fruit	20.0	144.0	-0.26235038380237036	--
Phaseolus lunatus	Seed	20.0	67.0	-0.2951261296538609	--
Vigna unguiculata	Seed	20.0	60.0	-0.29521776570773867	USDA's Ag Handbook 8 and sequelae)
Cynara cardunculus	Flower	20.0	135.0	-1.0	USDA's Ag Handbook 8 and sequelae)
Malus domestica	Fruit	20.0	124.0	-0.26329389964394695	--
Mucuna pruriens	Seed	15.0	125.0	-0.29436685949315944	--
Vigna unguiculata	Shoot	10.0	98.0	-0.7071067811865472	--
Cichorium intybus	Leaf	10.0	204.0	-0.6023075913949533	USDA's Ag Handbook 8 and sequelae)
Apium graveolens	Pt	10.0	190.0		USDA's Ag Handbook 8 and sequelae)

Plant	Part	Low PPM	High PPM	StdDev	Reference
Solanum tuberosum	Tuber	10.0	48.0		--
Daucus carota	Root	10.0	80.0	-0.6449329009983664	--
Capsicum frutescens	Fruit	10.0	82.0	-0.26527528291125785	USDA's Ag Handbook 8 and sequelae)
Capsicum annuum	Fruit	10.0	136.0	-0.262727790139001	--
Vigna unguiculata	Shoot	10.0	98.0	-0.7071067811865472	USDA's Ag Handbook 8 and sequelae)
Citrus reticulata	Fruit	10.0	80.0	-0.2653696344954155	USDA's Ag Handbook 8 and sequelae)
Asparagus officinalis	Shoot	10.0	129.0	1.4142135623730954	--
Cucumis sativus	Fruit	10.0	253.0	-0.25720822246577785	--
Citrus aurantiifolia	Fruit	10.0	85.0	-0.26513375553502133	USDA's Ag Handbook 8 and sequelae)
Vigna unguiculata	Fruit	10.0	82.0	-0.26527528291125785	USDA's Ag Handbook 8 and sequelae)
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	--
Allium cepa	Bulb	10.0	100.0	-1.0	USDA's Ag Handbook 8 and sequelae)
Psophocarpus tetragonolobus	Leaf	10.0	43.0	-0.715739317406298	--
Psophocarpus tetragonolobus	Seed	10.0	305.0	-0.2920105038220169	--
Cucurbita spp	Fruit	10.0	160.0	-0.2615955711291091	--
Portulaca oleracea	Herb	7.0	140.0		--
Spinacia oleracea	Plant	1.0	950.0	-0.34172508190823475	--
Allium sativum var. sativum	Bulb		614.0	1.0	--
Bactris gasipaes	Seed		89000.0	0.8690837531334706	--
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				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
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				--
Fagopyrum esculentum	Seed		115.0	-0.2944977681415562	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
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				--
Vanilla planifolia	Fruit		12.0	-0.268577588356776	--
Echinacea angustifolia	Root				--
Myristica fragrans	Seed Essent. Oil		3000.0	-1.0	--
Annona muricata	Plant				--
Myristica fragrans	Essential Oil				--
Ammi visnaga	Plant				--
Sambucus nigra	Flower				--
Plantago ovata	Seed		1300.0	-0.2789850933065345	--
Nardostachys jatamansi	Plant				--
Tamarindus indica	Seed Oil				--

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.
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				--
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. Tecnol. Agric. Aliment (Rio de Janeiro) 14: 33-46. Cent Technol Agric Aliment Empresa Brasil Pesqui Aropecu Rio de Janeiro, Brazil.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Hypericum perforatum	Plant				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Angelica archangelica	Fruit				--
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.
Carica papaya	Seed Oil		4000.0	-0.5619514869490164	Jim Duke's personal files.
Plantago ovata	Seed Coat				--
Carica papaya	Leaf				Jim Duke's personal files.
Carica papaya	Flower				Jim Duke's personal files.
Capsicum frutescens	Seed				--
Raphanus sativus	Root				--
Annona reticulata	Plant				--
Coffea arabica	Seed				--
Cocos nucifera	Seed Oil				Jim Duke's personal files.
Murraya sp	Plant				--
Abelmoschus moschatus	Plant				--
Taraxacum officinale	Pollen Or Spore				--
Citrus reticulata	Seed Oil				--
Hibiscus sabdariffa	Seed				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Erythrina crista-galli	Seed		3175.0	-0.25443972173213303	--
Angelica sinensis	Root				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Ananas comosus	Leaf				Wealth of India.
Prunella vulgaris	Leaf				--
Maclura pomifera	Fruit				--



Plant	Part	Low PPM	High PPM	StdDev	Reference
<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>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>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>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 <i>Aloe vera</i> (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>Azadirachta indica</i>	Fruit		630.0	-0.23942294885205886	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Lycopodium clavatum	Pollen Or Spore				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Zea mays	Seed				--
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				--
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.
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.
Morinda citrifolia	Fruit		0.06	-0.2691408673141971	--
Pimpinella anisum	Seed				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Vicia faba	Seed		0.0	-0.29600321759811954	USDA's Ag Handbook 8 and sequelae)
Brassica oleracea var. viridis l.	Plant				--
Trifolium pratense	Pollen Or Spore				--
Ferula assa-foetida	Seed Essent. Oil		212300.0	1.0	--
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.
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				--