

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for EUGENOL

Plant	Part	Low PPM	High PPM	StdDev	Reference
Acacia farnesiana	Flower				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Achillea millefolium	Plant				Tunon, H., Thorsell, W., and Bohlin, L. 1993. Mosquito Repelling Activity of Compounds Occurring in Achillea millefolium L. (Asteraceae). Economic Botany 48(2): 111-120, 1994.
Acorus calamus	Rhizome	30.0	300.0	-0.7161913723160901	--
Agastache rugosa	Shoot				Jim Duke's personal files.
Agathosma betulina	Leaf Essent. Oil				--
Ageratum conyzoides	Shoot		800.0	0.15379660495713438	R. Vera, (1993); Chemical composition of the essential oil Ageratum conyzoides L. (Asteraceae) from Reunion, Flavour Fragr. J., Vol.8, 257-260.
Aloysia citrodora	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.
Alpinia galanga	Rhizome	100.0	12000.0	1.414174489403805	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Alpinia officinarum	Rhizome	90.0	400.0	-0.6979831170877149	--
Anethum graveolens	Plant				--
Anethum graveolens	Essential Oil				--
Anethum graveolens	Leaf	280.0	750.0	-0.7280702362058284	--
Apium graveolens	Seed Essent. Oil				--
Apium graveolens	Plant				Stitt, Paul. Why George should eat broccoli.
Artemisia dracunculus	Shoot Essent. Oil				--
Artemisia dracunculus	Shoot				--
Artemisia capillaris	Essential Oil				--
Artemisia dracunculus	Essential Oil				--
Aspalathus linearis	Leaf Essent. Oil		13600.0	-1.0138787287413815	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Boronia megastigma	Flower				--
Calamintha nepeta	Shoot		8.0	-0.4868241109724222	Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. J. Ess. Oil Res. 4:189-190
Camellia sinensis	Fruit Essent. Oil				--
Camellia sinensis	Fruit				--
Cananga odorata	Flower				--
Capsicum annuum	Fruit				--
Cinnamomum aromaticum	Leaf	2.8	400.0	-0.7691912627599603	--
Cinnamomum verum	Stem Bark				--
Cinnamomum verum	Bark Essent. Oil	61000.0	420000.0		--
Cinnamomum camphora	Plant				--
Cinnamomum aromaticum	Bark	1.8	375.0	-0.690064810647921	--
Cinnamomum verum	Leaf	1400.0	16800.0	1.1576225529193598	Wealth of India.
Cinnamomum verum	Leaf Essent. Oil	701000.0	945000.0	1.556183816708286	--
Cinnamomum aromaticum	Plant				--
Cinnamomum verum	Root Bark				--
Cinnamomum verum	Essential Oil				--
Cinnamomum verum	Bark	140.0	16800.0	1.4140777354335337	--
Cistus ladaniferus	Leaf	15.0	1050.0	-0.6928236420165726	--
Coffea arabica	Seed				Jim Duke's personal files.
Commiphora myrrha	Resin, Exudate, Sap				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Commiphora myrrha	Essential Oil		2300.0	-0.7044431236377617	Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
Croton lechleri	Plant				Taylor, Leslie. 2005. The Healing Power of Rainforest Herbs. SquareOne Publisher, Garden City Park, NY. 519 pp.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Croton eluteria	Bark				--
Cuminum cyminum	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Cuminum cyminum	Fruit				--
Curcuma longa	Essential Oil		2100.0	-0.7050089035376114	--
Curcuma longa	Tuber				--
Curcuma longa	Rhizome Essent. Oil		2100.0		--
Cymbopogon winterianus	Plant	66.0	233.0	-0.4917732620412083	--
Cynara cardunculus	Essential Oil				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Daucus carota	Seed		7000.0	1.3881489891384902	--
Dianthus caryophyllus	Flower	0.6	870.0	-0.36790032586332355	--
Drimys winteri	Bark				--
Elsholtzia blanda	Shoot		0.9	-0.4925670492086593	Bestman, H.J., Rauscher, J., Vostrowsky O., Pant, A.K., Dev. V., Perihar, R. and Mathela, C.S. 1992. Constituents of the Essential Oil of Elsholtzia blanda Benth. (Labiatae). J. Ess. Oils Res. 4: 121-124
Ephedra sinica	Shoot		4.0	-0.49005956913368254	--
Eucalyptus citriodora	Leaf				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Eucalyptus brassiana	Leaf		0.0	-0.8161867216789681	Singh, A. K., Gupta, K. C., & Brophy, J. J. 1991. Chemical Constituents of the Leaf Essential Oil of Eucalyptus brassiana S. T. Blake. Journal of Essential Oil Res. 3: 45-7.
Eucalyptus citriodora	Essential Oil				--
Ficus carica	Fruit				--
Ficus carica	Flower				--
Foeniculum vulgare	Root Essent. Oil		2000.0		Jim Duke's personal files.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Foeniculum vulgare	Sprout Seedling				Jim Duke's personal files.
Glycyrrhiza glabra	Root		1.0		--
Helianthus annuus	Flower				--
Helichrysum angustifolium	Plant				--
Hibiscus sabdariffa	Calyx				--
Humulus lupulus	Essential Oil				--
Hyacinthus orientalis	Flower	0.32	4.6	-0.38245949222808684	--
Hyssopus officinalis	Flower	62.0	624.0	-0.37203893797995374	Flavour and Fragrance Journal, 6: 72.
Hyssopus officinalis	Leaf	2.0	443.0	-0.764139250926167	--
Hyssopus officinalis	Essential Oil				--
Iris x germanica	Rhizome				--
Jasminum officinale	Flower	3.0	10.0	-0.38236864464503884	--
Juglans regia	Leaf	10.0	30.0	-0.8126620622600426	--
Lantana camara	Leaf				--
Laurus nobilis	Leaf Essent. Oil		10200.0	-1.023260533180429	--
Laurus nobilis	Leaf	18.0	1335.0	-0.6593393775367795	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Laurus nobilis	Essential Oil				--
Lavandula latifolia	Plant	0.0	9.0	-0.613686380599408	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Lavandula x intermedia	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Levisticum officinale	Root				Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
Ligustrum japonicum	Flower				--
Lonicera japonica	Flower				Schlotzhauer, W.S., S.D. Pair, and R.J. Horvat. 1996. Volatile constituents from the flowers of Japanese Honeysuckle. J. Agric. Food Chem. 44:206-209.
Lycopersicon esculentum	Fruit				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Magnolia kobus	Flower				--
Melaleuca viridiflora	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Melaleuca bracteata	Leaf				Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
Melia azedarach	Wood				--
Melissa officinalis	Shoot				--
Mentha pulegium	Essential Oil		16000.0	-0.665687200498063	--
Mentha pulegium	Plant	160.0	320.0	-0.44442307760119315	--
Mentha x piperita	Essential Oil				--
Mentha spicata	Essential Oil				--
Mentha arvensis var. piperascens	Essential Oil				Jim Duke's personal files.
Mentha longifolia	Shoot				--
Mentha spicata	Shoot				--
Mentha spicata	Leaf				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Micromeria fruticosa	Shoot		0.0	-0.49329502729494296	Fleisher, Z. and Fleisher, A. 1991. The Essential Oil of Micromeria fruticosa (L.) Druce subsp. barbata (Boiss et. Ky.), P.H. Davis. Aromatic Plants of the Holy Land and the Sinai. Part VII. J. Ess. Oil Res 3: 477-479.
Micromeria congesta	Leaf	5.0	15.0	-0.8144243919695053	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of Micromeria congesta. J. Ess. Oil Res., 3: 387-393.
Micromeria fruticosa	Shoot		0.0	-0.49329502729494296	Fleisher, Z. and Fleisher, A. 1991. The Essential Oil of Micromeria fruticosa (L.) Druce subsp. barbata (Boiss et. Ky.), P.H. Davis. Aromatic Plants of the Holy Land and the Sinai. Part VII. J. Ess. Oil Res 3: 477-479.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Micromeria myrtifolia	Shoot		0.0	-0.49329502729494296	Ozek, T., Kirimer, N., and Baser, K.H.C. 1992. Composition of the Essential Oil of Micromeria myrtifolia Boiss. et Hohen. J. Ess. Oil Res., 4: 79-80.
Morinda citrifolia	Fruit		0.01	-0.7071070758144754	--
Morus alba	Plant				--
Myristica fragrans	Essential Oil	2000.0	3000.0	-0.7024628939882881	--
Myristica fragrans	Seed	40.0	320.0	-0.9281295905730291	--
Myristica fragrans	Seed Essent. Oil	1000.0	38000.0		--
Myroxylon balsamum	Plant				--
Myrtus communis	Shoot	1.0	15.0	-0.4811620591902165	--
Narcissus tazetta	Flower				--
Nicotiana tabacum	Leaf				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Ocimum sanctum	Leaf	4200.0	4970.0	-0.23226814461029613	Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
Ocimum canum	Shoot				=ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp
Ocimum tenuiflorum	Stem	20.0	100.0	-1.0	--
Ocimum gratissimum	Seed		1670.0	-0.4600193985654616	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Ocimum basilicum	Essential Oil	300.0	857500.0	1.714831728119204	--
Ocimum basilicum	Plant		14.0	-0.6109651056315911	--
Ocimum suave	Shoot	110.0	2860.0	1.8200575580062333	J. Nat. Prod. 44: 308.
Ocimum kilimandscharicum	Shoot	0.0	3000.0	1.9332985936503468	Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of Ocimum kilimandscharicum Guerke. J. Ess. Oil Res., 4: 125-128.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Ocimum tenuiflorum	Leaf	45.0	5580.0	-0.16060006975880922	--
Ocimum basilicum	Leaf Essent. Oil	51200.0	270000.0	-0.30638029986732646	--
Ocimum gratissimum	Plant	0.0	5340.0	2.2877369900870366	--
Ocimum basilicum	Leaf	14.0	8575.0	0.19127842889726174	--
Ocimum sp	Plant				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Ocimum kilimandscharicum	Flower	0.0	35.0	-0.38194805398277965	Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of Ocimum killimandscharicum Guerke. J. Ess. Oil Res., 4: 125-128.
Ocimum tenuiflorum	Inflorescence		0.0		--
Ocimum gratissimum	Shoot		4045.0	2.778562038279623	Vostrowsky, O., Garbe, W., Bestmann, H.J. and Maia, J.G.S. 1990. Essential Oil of Alfavaca, Ocimum gratissimum, from Brazilian Amazon. Zeitschr. Naturforschung 45(C): 1073-6.
Ocimum basilicum	Shoot Essent. Oil	5700.0	26700.0		--
Oenanthe javanica	Shoot				--
Origanum minutiflorum	Shoot	55.0	125.0	-0.39218695975555584	Baser, K.H.C., Tumen, G., Sezik, E. 1991. The Essential Oil of Origanum minutiflorum O. Schwarz and P.H. Davis. J. Ess. Oil Res. 3: 445-446.
Origanum onites	Shoot		0.0	-0.49329502729494296	Biondi, D., Cianci, P., Geraci, C. and Ruberto, G. 1993. Antimicrobial Activity and Chemical Composition of Essential Oils from Sicilian Aromatic Plants. Flav. & Frag. J. 8: 331-7.
Origanum majorana	Leaf Essent. Oil		255000.0	-0.34777061356900674	--
Origanum majorana	Plant	200.0	2000.0	0.46992531158530604	--
Origanum vulgare	Shoot				--
Panax ginseng	Root Essent. Oil				--
Pelargonium graveolens	Essential Oil				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Peumus boldus	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Pimenta dioica	Leaf Essent. Oil		792400.0	1.1351063586498586	--
Pimenta dioica	Fruit	3500.0	36000.0	1.4142135623730538	--
Pimenta racemosa	Leaf	16.0	21840.0	1.749765335298858	--
Pimenta dioica	Flower Essent. Oil		543000.0		--
Pimenta dioica	Leaf	8348.0	12000.0	0.593677045891266	--
Pimpinella anisum	Seed				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Pimpinella anisum	Seed Essent. Oil				--
Pimpinella anisum	Plant				--
Pimpinella anisum	Essential Oil				--
Piper nigrum	Fruit				--
Piper nigrum	Leaf Essent. Oil				--
Piper auritum	Leaf				Tramil
Piper betel	Leaf	535.0	17850.0	1.2809856325817552	--
Pogostemon cablin	Plant				--
Polianthes tuberosa	Flower				--
Prunus dulcis	Flower				--
Prunus cerasus	Plant				--
Psidium guajava	Essential Oil				--
Ptychopetalum olacoides	Root				Ito, Y., Hirayama, F., Aikawa, Y., Kondo, H., Sagara, K., Shoji, J. 1995. Constituents from Muira-Puama (The Roots of Ptychopetalum olacoides). Nat. Med. 49, 4: 487.
Pueraria montana	Fruit Essent. Oil				--
Pycnanthemum setosum	Shoot	60.0	93.0	-0.41807062504563897	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.



Plant	Part	Low PPM	High PPM	StdDev	Reference
Ravensara aromatica	Bark		110.0	-0.7240129247856127	--
Ravensara aromatica	Leaf		60.0	-0.8091374028411169	--
Rosa gallica	Flower	2.0	4.0	-0.38246958640398104	--
Rosa damascena	Essential Oil				--
Rosa centifolia	Essential Oil				--
Rosmarinus officinalis	Shoot		0.5	-0.4928905950247854	Tucker, A. O. and Maciarello, M. J. 1998. The essential oils of some rosemary cultivars. Flavor and Fragrance Journal, 1: 137-142. 1986.
Santalum album	Wood				--
Sassafras albidum	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Scutellaria baicalensis	Root Essent. Oil				--
Stevia rebaudiana	Leaf				Kinghorn, A. D. (Ed.) 2002. Medicinal and Aromatic Plants - Industrial Profiles. Stevia. The genus Stevia. Taylor & Francis. New York, NY. 211 pp.
Stevia rebaudiana	Flower				Kinghorn, A. D. (Ed.) 2002. Medicinal and Aromatic Plants - Industrial Profiles. Stevia. The genus Stevia. Taylor & Francis. New York, NY. 211 pp.
Syzygium aromaticum	Stem	36000.0	57000.0	1.0	--
Syzygium aromaticum	Essential Oil	61000.0	627000.0	1.0627703935425195	--
Syzygium aromaticum	Leaf Essent. Oil				--
Syzygium aromaticum	Fruit				--
Syzygium aromaticum	Leaf	7920.0	26400.0	2.285513566975547	--
Syzygium aromaticum	Bark				--
Syzygium aromaticum	Bulb				--
Syzygium aromaticum	Flower	108655.0	180000.0	2.6457158873560447	--
Tanacetum parthenium	Essential Oil				--
Tanacetum parthenium	Fruit Essent. Oil		1000.0		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Thymus funkii	Shoot		5.0	-0.48925070459336745	Vila, R., et al. 1995. Composition and study of the variability of the essential oil of Thymus funkii Cousson. Flav. & Fragr. J. 10(6): 379-383.
Thymus cilicicus	Shoot		0.1	-0.49321414084091153	Tumen, G., Koyuncu, M., Kirimer, N., and Baser, K.H.C. 1994. Composition of the Essential Oil of Thymus cilicicus Boiss. & Bal. J. Ess. Oil Res. 6: 97-8.
Thymus vulgaris	Plant				Stitt, Paul. Why George should eat broccoli.
Thymus funkii	Shoot				Vila, R., et al. 1995. Composition and study of the variability of the essential oil of Thymus funkii Cousson. Flav. & Fragr. J. 10(6): 379-383.
Thymus capitatus	Shoot		21.0	-0.47630887194832594	Biondi, D., Cianci, P., Geraci, C. and Ruberto, G. 1993. Antimicrobial Activity and Chemical Composition of Essential Oils from Sicilian Aromatic Plants. Flav. & Fragr. J. 8: 331-7.
Tilia sp.	Flower				--
Trifolium pratense	Flower				--
Umbellularia californica	Plant	10.0	40.0	-0.5968144757989429	--
Vaccinium myrtillus	Fruit Juice		0.01		--
Vaccinium corymbosum	Fruit		0.02	-0.7071064865585788	--
Vaccinium macrocarpon	Fruit				--
Vanilla planifolia	Fruit				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Viola odorata	Leaf				--
Viola odorata	Flower	147.0	357.0	-0.37653084625288163	--
Zea mays	Seed				--
Zingiber officinale	Rhizome Essent. Oil				--