

Dr. Duke's Phytochemical and Ethnobotanical Database

List of Plants for EUGENOL

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Acacia farnesiana</i>	Flower	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Achillea millefolium</i>	Plant	--	--		Tunon, H., Thorsell, W., and Bohlin, L. 1993. Mosquito Repelling Activity of Compounds Occurring in <i>Achillea millefolium</i> L. (Asteraceae). <i>Economic Botany</i> 48(2): 111-120, 1994.
<i>Acorus calamus</i>	Rhizome	30	300	-0.7161913723160901	--
<i>Agastache rugosa</i>	Shoot	--	--		Jim Duke's personal files.
<i>Agathosma betulina</i>	Leaf Essent. Oil	--	--		--
<i>Ageratum conyzoides</i>	Shoot	--	800	0.15379660495713438	R. Vera, (1993); Chemical composition of the essential oil <i>Ageratum conyzoides</i> L. (Asteraceae) from Reunion, Flavour Fragr. J., Vol.8, 257-260.
<i>Aloysia citrodora</i>	Plant	--	--		Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. <i>Herbal Medicine - A Guide for Health-care Professionals</i> . The Pharmaceutical Press, London. 296pp.
<i>Alpinia galanga</i>	Rhizome	100	12000	1.414174489403805	List, P.H. and Horhammer, L., <i>Hager's Handbuch der Pharmazeutischen Praxis</i> , Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Alpinia officinarum</i>	Rhizome	90	400	-0.6979831170877149	--
<i>Anethum graveolens</i>	Plant	--	--		--
<i>Anethum graveolens</i>	Leaf	280	750	-0.7280702362058284	--
<i>Anethum graveolens</i>	Essential Oil	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Apium graveolens</i>	Plant	--	--		Stitt, Paul. Why George should eat broccoli.
<i>Apium graveolens</i>	Seed Essent. Oil	--	--		--
<i>Artemisia capillaris</i>	Essential Oil	--	--		--
<i>Artemisia dracunculus</i>	Shoot	--	--		--
<i>Artemisia dracunculus</i>	Essential Oil	--	--		--
<i>Artemisia dracunculus</i>	Shoot Essent. Oil	--	--		--
<i>Aspalathus linearis</i>	Leaf Essent. Oil	--	13600	-1.0138787287413815	--
<i>Boronia megastigma</i>	Flower	--	--		--
<i>Calamintha nepeta</i>	Shoot	8	8	-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
<i>Camellia sinensis</i>	Fruit	--	--		--
<i>Camellia sinensis</i>	Fruit Essent. Oil	--	--		--
<i>Cananga odorata</i>	Flower	--	--		--
<i>Capsicum annuum</i>	Fruit	--	--		--
<i>Cinnamomum aromaticum</i>	Plant	--	--		--
<i>Cinnamomum aromaticum</i>	Bark	1.8	375	-0.690064810647921	--
<i>Cinnamomum aromaticum</i>	Leaf	2.8	400	-0.7691912627599603	--
<i>Cinnamomum camphora</i>	Plant	--	--		--
<i>Cinnamomum verum</i>	Bark	140	3520	1.4140777354335337	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Cinnamomum verum</i>	Leaf	1400	16800	1.1576225529193598	Wealth of India.
<i>Cinnamomum verum</i>	Essential Oil	--	--		--
<i>Cinnamomum verum</i>	Leaf Essent. Oil	701000	945000	1.556183816708286	--
<i>Cinnamomum verum</i>	Bark Essent. Oil	61000	420000		--
<i>Cinnamomum verum</i>	Stem Bark	--	--		--
<i>Cinnamomum verum</i>	Root Bark	--	--		--
<i>Cistus ladaniferus</i>	Leaf	15	1050	-0.6928236420165726	--
<i>Coffea arabica</i>	Seed	--	--		Jim Duke's personal files.
<i>Commiphora myrrha</i>	Resin, Exudate, Sap	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
<i>Commiphora myrrha</i>	Essential Oil	--	2300	-0.7044431236377617	Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
<i>Croton eluteria</i>	Bark	--	--		--
<i>Croton lechleri</i>	Plant	--	--		Taylor, Leslie. 2005. The Healing Power of Rainforest Herbs. SquareOne Publisher, Garden City Park, NY. 519 pp.
<i>Cuminum cyminum</i>	Fruit	--	--		--
<i>Cuminum cyminum</i>	Seed	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Curcuma longa</i>	Essential Oil	--	2100	-0.7050089035376114	--
<i>Curcuma longa</i>	Rhizome Essent. Oil	--	2100		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Curcuma longa</i>	Tuber	--	--		--
<i>Cymbopogon winterianus</i>	Plant	66	233	-0.4917732620412083	--
<i>Cynara cardunculus</i>	Essential Oil	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
<i>Daucus carota</i>	Seed	7000	7000	1.3881489891384902	--
<i>Dianthus caryophyllus</i>	Flower	0.6	870	-0.36790032586332355	--
<i>Drimys winteri</i>	Bark	--	--		--
<i>Elsholtzia blanda</i>	Shoot	0.9	0.9	-0.4925670492086593	Bestman, H.J., Rauscher, J., Vostrowsky O., Pant, A.K., Dev. V., Periher, R. and Mathela, C.S. 1992. Constituents of the Essential Oil of Elsholtsia blanda Benth. (Labiatae). J. Ess. Oils Res. 4: 121-124
<i>Ephedra sinica</i>	Shoot	--	4	-0.49005956913368254	--
<i>Eucalyptus brassiana</i>	Leaf	--	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.
<i>Eucalyptus citriodora</i>	Leaf	--	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Eucalyptus citriodora</i>	Essential Oil	--	--		--
<i>Ficus carica</i>	Fruit	--	--		--
<i>Ficus carica</i>	Flower	--	--		--
<i>Foeniculum vulgare</i>	Root Essent. Oil	--	2000		Jim Duke's personal files.
<i>Foeniculum vulgare</i>	Sprout Seedling	--	--		Jim Duke's personal files.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Glycyrrhiza glabra	Root	1	1		--
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	624	-0.37203893797995374	Flavour and Fragrance Journal, 6: 72.
Hyssopus officinalis	Leaf	2	443	-0.764139250926167	--
Hyssopus officinalis	Essential Oil	--	--		--
Iris x germanica	Rhizome	--	--		--
Jasminum officinale	Flower	3	10	-0.38236864464503884	--
Juglans regia	Leaf	10	30	-0.8126620622600426	--
Lantana camara	Leaf	--	--		--
Laurus nobilis	Leaf	18	1335	-0.6593393775367795	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Laurus nobilis	Essential Oil	--	--		--
Laurus nobilis	Leaf Essent. Oil	--	10200	-1.023260533180429	--
Lavandula latifolia	Plant	0	9	-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.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Levisticum officinale</i>	Root	--	--		Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
<i>Ligustrum japonicum</i>	Flower	--	--		--
<i>Lonicera japonica</i>	Flower	--	--		Schlotzhauer, W.S., S.D. Pair, and R.J. Horvat. 1996. Volatile constituents from the flowers of Japanese Honeysuckle. <i>J. Agric. Food Chem.</i> 44:206-209.
<i>Lycopersicon esculentum</i>	Fruit	--	--		--
<i>Magnolia kobus</i>	Flower	--	--		--
<i>Melaleuca bracteata</i>	Leaf	--	--		Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
<i>Melaleuca viridiflora</i>	Leaf	--	--		List, P.H. and Horhammer, L., <i>Hager's Handbuch der Pharmazeutischen Praxis</i> , Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Melia azedarach</i>	Wood	--	--		--
<i>Melissa officinalis</i>	Shoot	--	--		--
<i>Mentha arvensis</i> var. <i>piperascens</i>	Essential Oil	--	--		Jim Duke's personal files.
<i>Mentha longifolia</i>	Shoot	--	--		--
<i>Mentha pulegium</i>	Plant	160	320	-0.44442307760119315	--
<i>Mentha pulegium</i>	Essential Oil	--	16000	-0.665687200498063	--
<i>Mentha spicata</i>	Leaf	--	--		Lawrence, B.M., <i>Essential Oils 1976-1977</i> , <i>Essential Oils 1978</i> , <i>Essential Oils 1979-1980</i> .
<i>Mentha spicata</i>	Shoot	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Mentha spicata</i>	Essential Oil	--	--		--
<i>Mentha x piperita</i>	Essential Oil	--	--		--
<i>Micromeria congesta</i>	Leaf	5	15	-0.8144243919695053	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . <i>J. Ess. Oil Res.</i> , 3: 387-393.
<i>Micromeria fruticosa</i>	Shoot	0	0	-0.49329502729494296	Fleisher, Z. and Fleisher, A. 1991. The Essential Oil of <i>Micromeria fruticosa</i> (L.) Druce subsp. <i>barbata</i> (Boiss et. Ky.), P.H. Davis. Aromatic Plants of the Holy Land and the Sinai. Part VII. <i>J. Ess. Oil Res</i> 3: 477-479.
<i>Micromeria fruticosa</i>	Shoot	--	0	-0.49329502729494296	Fleisher, Z. and Fleisher, A. 1991. The Essential Oil of <i>Micromeria fruticosa</i> (L.) Druce subsp. <i>barbata</i> (Boiss et. Ky.), P.H. Davis. Aromatic Plants of the Holy Land and the Sinai. Part VII. <i>J. Ess. Oil Res</i> 3: 477-479.
<i>Micromeria myrtifolia</i>	Shoot	0	0	-0.49329502729494296	Ozek, T., Kirimer, N., and Baser, K.H.C. 1992. Composition of the Essential Oil of <i>Micromeria myrtifolia</i> Boiss. et Hohen. <i>J. Ess. Oil Res.</i> , 4: 79-80.
<i>Morinda citrifolia</i>	Fruit	--	0.01	-0.7071070758144754	--
<i>Morus alba</i>	Plant	--	--		--
<i>Myristica fragrans</i>	Seed	40	320	-0.9281295905730291	--
<i>Myristica fragrans</i>	Essential Oil	2000	3000	-0.7024628939882881	--
<i>Myristica fragrans</i>	Seed Essent. Oil	1000	38000		--
<i>Myroxylon balsamum</i>	Plant	--	--		--
<i>Myrtus communis</i>	Shoot	1	15	-0.4811620591902165	--
<i>Narcissus tazetta</i>	Flower	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Nicotiana tabacum	Leaf	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Ocimum basilicum	Leaf	14	8575	0.19127842889726174	--
Ocimum basilicum	Plant	--	14	-0.6109651056315911	--
Ocimum basilicum	Essential Oil	300	857500	1.714831728119204	--
Ocimum basilicum	Shoot Essent. Oil	5700	26700		--
Ocimum basilicum	Leaf Essent. Oil	51200	270000	-0.30638029986732646	--
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 gratissimum	Plant	0	5340	2.2877369900870366	--
Ocimum gratissimum	Seed	1670	1670	-0.4600193985654616	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Ocimum gratissimum	Shoot	4045	4045	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 kilimandscharicum	Flower	0	35	-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 kilimandscharicum	Shoot	0	3000	1.9332985936503468	Charles, D.J., and Simon, J.E. 1992. Essential Oil Constituents of Ocimum killimandscharicum Guerke. J. Ess. Oil Res., 4: 125-128.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Ocimum sanctum	Leaf	4200	4970	-0.23226814461029613	Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
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 suave	Shoot	110	2860	1.8200575580062333	J. Nat. Prod. 44: 308.
Ocimum tenuiflorum	Inflorescence	0	0		--
Ocimum tenuiflorum	Leaf	45	5580	-0.16060006975880922	--
Ocimum tenuiflorum	Stem	20	100	-1	--
Oenanthe javanica	Shoot	--	--		--
Origanum majorana	Plant	200	1152	0.46992531158530604	--
Origanum majorana	Leaf Essent. Oil	--	255000	-0.34777061356900674	--
Origanum minutiflorum	Shoot	55	125	-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 vulgare	Shoot	--	--		--
Panax ginseng	Root Essent. Oil	--	--		--
Pelargonium graveolens	Essential Oil	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Peumus boldus</i>	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Pimenta dioica</i>	Fruit	3500	36000	1.4142135623730538	--
<i>Pimenta dioica</i>	Leaf	8348	12000	0.593677045891266	--
<i>Pimenta dioica</i>	Leaf Essent. Oil	--	792400	1.1351063586498586	--
<i>Pimenta dioica</i>	Flower Essent. Oil	--	543000		--
<i>Pimenta racemosa</i>	Leaf	16	19100	1.749765335298858	--
<i>Pimpinella anisum</i>	Plant	--	--		--
<i>Pimpinella anisum</i>	Seed Essent. Oil	--	--		--
<i>Pimpinella anisum</i>	Essential Oil	--	--		--
<i>Pimpinella anisum</i>	Seed	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Piper auritum</i>	Leaf	--	--		Tramil
<i>Piper betel</i>	Leaf	535	17850	1.2809856325817552	--
<i>Piper nigrum</i>	Fruit	--	--		--
<i>Piper nigrum</i>	Leaf Essent. Oil	--	--		--
<i>Pogostemon cablin</i>	Plant	--	--		--
<i>Polianthes tuberosa</i>	Flower	--	--		--
<i>Prunus cerasus</i>	Plant	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Prunus dulcis</i>	Flower	--	--		--
<i>Psidium guajava</i>	Essential Oil	--	--		--
<i>Ptychopetalum olacoides</i>	Root	--	--		Ito, Y., Hirayama, F., Aikawa, Y., Kondo, H., Sagara, K., Shoji, J. 1995. Constituents from Muira-Puama (The Roots of <i>Ptychopetalum olacoides</i>). <i>Nat. Med.</i> 49, 4: 487.
<i>Pueraria montana</i>	Fruit Essent. Oil	--	--		--
<i>Pycnanthemum setosum</i>	Shoot	60	93	-0.41807062504563897	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Ravensara aromatica</i>	Bark	--	110	-0.7240129247856127	--
<i>Ravensara aromatica</i>	Leaf	--	60	-0.8091374028411169	--
<i>Rosa centifolia</i>	Essential Oil	--	--		--
<i>Rosa damascena</i>	Essential Oil	--	--		--
<i>Rosa gallica</i>	Flower	2	4	-0.38246958640398104	--
<i>Rosmarinus officinalis</i>	Shoot	--	0.5	-0.4928905950247854	Tucker, A. O. and Maciarello, M. J. 1998. The essential oils of some rosemary cultivars. <i>Flavor and Fragrance Journal</i> , 1: 137-142. 1986.
<i>Santalum album</i>	Wood	--	--		--
<i>Sassafras albidum</i>	Root	--	--		List, P.H. and Horhammer, L., <i>Hager's Handbuch der Pharmazeutischen Praxis</i> , Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Scutellaria baicalensis</i>	Root Essent. Oil	--	--		--

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<i>Stevia rebaudiana</i>	Flower	--	--		Kinghorn, A. D. (Ed.) 2002. Medicinal and Aromatic Plants - Industrial Profiles. Stevia. The genus Stevia. Taylor & Francis. New York, NY. 211 pp.
<i>Stevia rebaudiana</i>	Leaf	--	--		Kinghorn, A. D. (Ed.) 2002. Medicinal and Aromatic Plants - Industrial Profiles. Stevia. The genus Stevia. Taylor & Francis. New York, NY. 211 pp.
<i>Syzygium aromaticum</i>	Flower	108655	180000	2.6457158873560447	--
<i>Syzygium aromaticum</i>	Leaf	7920	9000	2.285513566975547	--
<i>Syzygium aromaticum</i>	Stem	36000	9000	1	--
<i>Syzygium aromaticum</i>	Fruit	--	--		--
<i>Syzygium aromaticum</i>	Bark	--	--		--
<i>Syzygium aromaticum</i>	Leaf Essent. Oil	--	--		--
<i>Syzygium aromaticum</i>	Essential Oil	61000	627000	1.0627703935425195	--
<i>Syzygium aromaticum</i>	Bulb	--	--		--
<i>Tanacetum parthenium</i>	Fruit Essent. Oil	--	1000		--
<i>Tanacetum parthenium</i>	Essential Oil	--	--		--
<i>Thymus capitatus</i>	Shoot	21	21	-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. & Frag. J. 8: 331-7.
<i>Thymus cilicicus</i>	Shoot	0.1	0.1	-0.49321414084091153	Tumen, G., Koyuncu, M., Kirimer, N., and Baser, K.H.C. 1994. Composition of the Essential Oil of <i>Thymus cilicicus</i> Boiss. & Bal. J. Ess. Oil Res. 6: 97-8.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Thymus funkii</i>	Shoot	5	5	-0.48925070459336745	Vila, R., et al. 1995. Composition and study of the variability of the essential oil of <i>Thymus funkii</i> Cousson. <i>Flav. & Fragr. J.</i> 10(6): 379-383.
<i>Thymus funkii</i>	Shoot	--	--		Vila, R., et al. 1995. Composition and study of the variability of the essential oil of <i>Thymus funkii</i> Cousson. <i>Flav. & Fragr. J.</i> 10(6): 379-383.
<i>Thymus vulgaris</i>	Plant	--	--		Stitt, Paul. Why George should eat broccoli.
<i>Tilia</i> sp.	Flower	--	--		--
<i>Trifolium pratense</i>	Flower	--	--		--
<i>Umbellularia californica</i>	Plant	10	40	-0.5968144757989429	--
<i>Vaccinium corymbosum</i>	Fruit	0.02	0.02	-0.7071064865585788	--
<i>Vaccinium macrocarpon</i>	Fruit	--	--		--
<i>Vaccinium myrtillus</i>	Fruit Juice	0.01	0.01		--
<i>Vanilla planifolia</i>	Fruit	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
<i>Viola odorata</i>	Flower	147	357	-0.37653084625288163	--
<i>Viola odorata</i>	Leaf	--	--		--
<i>Zea mays</i>	Seed	--	--		--
<i>Zingiber officinale</i>	Rhizome Essent. Oil	--	--		--