

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for GERANIAL

Plant	Part	Low PPM	High PPM	StdDev	Reference
Achillea millefolium	Leaf	1.0	50.0	-0.3978078018016716	--
Acinos suaveolens	Shoot		50.0	-0.4938297693423076	Tumen, G. 1991. The Volatile Constituents of Acinos suaveolens (Sibt. et Smith). G. Don fil. Growing in Turkey. J. Ess. Oil Res. 3:191-2.
Aloysia citrodora	Plant	150.0	1820.0	0.35362075880180355	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Camellia sinensis	Leaf				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Carum carvi	Seed				--
Cinnamomum camphora	Leaf				--
Cinnamomum verum	Stem Bark				--
Cinnamomum aromaticum	Plant				--
Cinnamomum verum	Leaf Essent. Oil				--
Cinnamomum verum	Bark				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Cistus ladaniferus	Leaf	27.0	1090.0	-0.22261448445443258	--
Citrullus lanatus	Fruit Juice				--
Citrullus lanatus	Fruit				--
Citrus paradisi	Fruit	420.0	700.0	1.029040358819024	--
Citrus limon	Essential Oil	42.0	236.0	1.0	--
Citrus aurantiifolia	Fruit	10.0	680.0	0.9705306013879492	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Citrus limon	Pericarp Essent. Oil		17600.0		Jim Duke's personal files.
Citrus aurantium	Plant				--
Citrus sinensis	Fruit	6.0	7.0	-0.9983227361677096	--
Citrus limon	Leaf Essent. Oil	3000.0	233000.0	1.0	Jim Duke's personal files.
Citrus paradisi	Leaf		31.0	-0.4010084489455154	--
Citrus reticulata	Fruit	5.0	6.0	-1.0012482240392633	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Citrus aurantium	Leaf		1.0	-0.4060621023305319	--
Citrus limon	Petiole		60.0		--
Citrus paradisi	Pericarp	4.0	700.0		--
Coriandrum sativum	Fruit				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Coriandrum sativum	Seed Essent. Oil		1300.0		--
Cymbopogon parkeri	Plant	17.0	1290.0	0.003406033435381745	Rizk, A.F.M., The Phytochemistry of the Flora of Qatar, Scientific and Applied Research Centre, University of Qatar, Kingprint, Richmond, UK, 1986.
Elsholtzia eriostachya	Shoot		525.0	0.7522214414815759	Pant, A.K., Dev, V., Parihar, R., Mathela, C.S., Rauscher, J., Vostrowsky, O. and Bestmann, H.J. 1992. The Essential Oil from Elsholtzia eriostachya var. pusilla. J. Ess. Oil Res. 4: 547-549.
Elsholtzia polystachya	Leaf		15.0	-0.4037037307508575	Mathela, C.S., Melkani, A.B., Bisht, J.C., Pant, A.K., Bestmann, H.J., Erler, J., Kobold, U., Rauscher, J. and Vostrowsky, O. 1992. Chemical Varieties of Essential Oils from Elsholtzia polystachya from Two Different Locations in India. Planta Medica 58: 376-379.
Elsholtzia blanda	Shoot		5.0	-0.6118767261572018	Bestman, H.J., Rauscher, J., Vostrowsky O., Pant, A.K., Dev, V., Parihar, R. and Mathela, C.S. 1992. Constituents of the Essential Oil of Elsholtzia blanda Benth. (Labiatae). J. Ess. Oils Res. 4: 121-124
Elsholtzia polystachya	Leaf		15.0	-0.4037037307508575	Mathela, C.S., Melkani, A.B., Bisht, J.C., Pant, A.K., Bestmann, H.J., Erler, J., Kobold, U., Rauscher, J. and Vostrowsky, O. 1992. Chemical Varieties of Essential Oils from Elsholtzia polystachya from Two Different Locations in India. Planta Medica 58: 376-379.
Eugenia uniflora	Leaf				Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Hedeoma drummondii	Plant	3065.0	5150.0	2.5540264861040383	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Hypericum perforatum	Plant	0.35	6.3	-0.8448404627021195	--
Lavandula angustifolia	Flower				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Melissa officinalis	Shoot	10.0	1425.0	3.11316057777946	--
Mentha x piperita	Leaf	0.005	0.05	-0.40622213468772406	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Micromeria varia	Shoot		475.0	0.6210581561316935	Pedro, L.G., et al. 1995. Composition of the Essential oil of Micromeria varia Benth. ssp. thymoides (Sol. ex Lowe) Perez var. thymoides, and endemic species of the Madeira Archipelago. flav. & Fragr. J. 10(3): 199-202.
Micromeria varia	Shoot		475.0	0.6210581561316935	--
Monarda russeliana	Plant		470.0	-0.538435617131535	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Monarda fistulosa	Plant	15.0	837.0	-0.29592843937780516	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Myrtus communis	Shoot	0.0	1.5	-0.6210581561316936	--
Ocimum basilicum	Plant		5.0	-0.8456994799530183	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
Ocimum basilicum	Leaf Essent. Oil		2000.0	-1.0	--
Ocimum tenuiflorum	Plant	350.0	3150.0	1.2324614847213144	--
Ocimum basilicum	Plant		5.0	-0.8456994799530183	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504.
Ocimum basilicum	Shoot Essent. Oil		2100.0		--
Pelargonium graveolens	Essential Oil	2.0	12.0	-1.0	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Pelargonium citrosum</i>	Shoot		7.0	-0.6066301947432066	Matsuda, B. M., et al. 1996. Essential Oil Analysis and Field Evaluation of the Citrosa Plant ' <i>Pelargonium citrosum</i> ' as a Repellent Against Populations of <i>Aedes</i> Mosquitoes. <i>J. Am. Mosq. Contr. Assoc.</i> 12(1):69-74.
<i>Pelargonium roseum</i>	Shoot		252.0	0.036069903471217676	--
<i>Perilla frutescens</i>	Leaf Essent. Oil				Honda, G., Yuba, A., Nishizawa, A., Tabata, M. 1994. Genetic Control of Geranial Formation in <i>Perilla frutescens</i> . <i>Biochem. Genet.</i> 32(5/6): 155-160.
<i>Pimenta racemosa</i>	Leaf	0.0	18090.0	2.64112243372159	--
<i>Prunus armeniaca</i>	Essential Oil				--
<i>Rosa damascena</i>	Essential Oil				--
<i>Salvia sclarea</i>	Plant	0.8	580.0	-0.4657495420554852	Flavour and Fragrance Journal, 6: 154.
<i>Syzygium aromaticum</i>	Fruit				--
<i>Tamarindus indica</i>	Essential Oil				Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
<i>Thymus longicaulis</i>	Shoot		52.0	-0.4885832379283123	Baser, K.H.C., Ozek, T., Kirimer, N. and Tumen, G. 1993. The Occurrence of Three Chemotypes of <i>Thymus longicaulis</i> C. Presl subsp. <i>longicaulis</i> in the same Population. <i>J. Ess. Oil Res.</i> 5: 291-5.
<i>Thymus capitatus</i>	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Thymus x citriodorus</i>	Plant		820.0	-0.30716174188955836	Stahl-Biskup, E. and Holthuijzen, J. 1995. Essential oil and glycosidally bound volatiles of lemon-scented thyme, <i>Thymus x citriodorus</i> (Pers.) Schreb. <i>Flav. &amp; Fragr. J.</i> 10: 225-229.
<i>Thymus longicaulis</i>	Shoot		52.0	-0.4885832379283123	Baser, K.H.C., Ozek, T., Kirimer, N. and Tumen, G. 1993. The Occurrence of Three Chemotypes of <i>Thymus longicaulis</i> C. Presl subsp. <i>longicaulis</i> in the same Population. <i>J. Ess. Oil Res.</i> 5: 291-5.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Thymus funkii	Shoot		8.0	-0.6040069290362089	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 longicaulis	Shoot		0.0	-0.62499305469219	Baser, K.H.C., Ozek, T., Kirimer, N. and Tumen, G. 1993. The Occurrence of Three Chemotypes of Thymus longicaulis C. Presl subsp. longicaulis in the same Population. J. Ess. Oil Res. 5: 291-5.
Thymus funkii	Shoot		8.0	-0.6040069290362089	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.
Zea mays	Husk Essent. Oil				--
Zea mays	Hull Husk				--
Zingiber officinale	Rhizome		980.0		--
Zingiber officinale	Rhizome Essent. Oil	159000.0	400000.0		--