

List of Plants



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*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

Plant	Part	Low PPM	High PPM	StdDev	*Reference
Aloysia citrodora	Plant	120.0	840.0	0.01	*
Apium graveolens	Leaf	--	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Apium graveolens	Shoot	--	--		*
Camellia sinensis	Leaf	--	--		*
Cinnamomum camphora	Leaf	--	5.0	-0.39	*
Citrullus lanatus	Fruit Juice	--	--		*
Citrus paradisi	Fruit	--	210.0	0.21	*
Citrus limon	Essential Oil	27.0	130.0	1.0	*
Citrus aurantiifolia	Fruit	40.0	460.0	1.55	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Citrus limon	Petiole	--	60.0		*
Citrus limon	Pericarp Essent. Oil	--	--		Jim Duke's personal files.
Citrus sinensis	Fruit	4.0	5.0	-0.88	*
Citrus limon	Leaf Essent. Oil	4000.0	172700.0	1.0	Jim Duke's personal files.
Citrus reticulata	Fruit	3.0	4.0	-0.88	*
Citrus aurantium	Leaf	--	1.0	-0.39	*
Citrus aurantium	Plant	--	--		*
Cymbopogon winterianus	Plant	--	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Cymbopogon parkeri	Plant	42.0	583.0	-0.23	Rizk, A.F.M., The Phytochemistry of the Flora of Qatar, Scientific and Applied Research Centre, University of Qatar, Kingprint, Richmond, UK, 1986.
Cymbopogon citratus	Leaf	--	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Elsholtzia blanda	Shoot	--	3.0	-0.57	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
Elsholtzia polystachya	Leaf	--	4.0	-0.39	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 polystachya	Leaf	--	4.0	-0.39	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.

<i>Elsholtzia eriostachya</i>	Shoot	--	390.0	0.67	Pant, A.K., Dev, V., Parihar, R., Mathela, C.S., Rauscher, J., Vostrowsky, O. and Bestmann, H.J. 1992. The Essential Oil from <i>Elsholtzia eriostachya</i> var. <i>pusilla</i> . <i>J. Ess. Oil Res.</i> 4: 547-549.
<i>Hedeoma drummondii</i>	Plant	36.0	2690.0	1.71	Lawrence, B.M., <i>Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.</i>
<i>Hypericum perforatum</i>	Plant	0.35	6.3	-0.76	*
<i>Laurus nobilis</i>	Leaf	--	--		Lawrence, B.M., <i>Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.</i>
<i>Lavandula angustifolia</i>	Flower	--	--		Lawrence, B.M., <i>Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.</i>
<i>Lippia alba</i>	Plant	--	--		Grenand, P., Moretti, C., and Jacquemin, H. 1987. <i>Pharmacopees Traditionnelles en Guyane.</i> l'ORSTROM, Paris. 569 pp.
<i>Melissa officinalis</i>	Shoot	10.0	1100.0	2.93	*
<i>Mentha x piperita</i>	Leaf	0.001	0.01	-0.39	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
<i>Micromeria varia</i>	Shoot	--	190.0	0.03	Pedro, L.G., et al. 1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. & Fragr. J.</i> 10(3): 199-202.
<i>Micromeria varia</i>	Shoot	--	190.0	0.03	*
<i>Monarda fistulosa</i>	Plant	24.0	589.0	-0.22	Lawrence, B.M., <i>Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.</i>
<i>Monarda russeliana</i>	Plant	--	54.0	-0.72	Lawrence, B.M., <i>Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.</i>
<i>Monarda punctata</i>	Plant	--	--		List, P.H. and Horhammer, L., <i>Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.</i>
<i>Myrtus communis</i>	Shoot	1.0	2.0	-0.57	*
<i>Ocimum gratissimum</i>	Flower	466.0	695.0	1.0	Charles, D.J. and Simon, J.E. 1992. A New Geraniol Chemotype of <i>Ocimum gratissimum</i> L. <i>J. Ess. Oil Res.</i> 4: 231-234.
<i>Ocimum basilicum</i>	Plant	--	5.0	-0.76	Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. <i>Die Nahrung</i> 37(5): 501-504.
<i>Ocimum tenuiflorum</i>	Plant	350.0	3150.0	2.14	*
<i>Ocimum basilicum</i>	Leaf Essent. Oil	--	1000.0	-1.0	*
<i>Ocimum basilicum</i>	Shoot Essent. Oil	--	2000.0		*
<i>Ocimum gratissimum</i>	Leaf	150.0	210.0	-0.33	Charles, D.J. and Simon, J.E. 1992. A New Geraniol Chemotype of <i>Ocimum gratissimum</i> L. <i>J. Ess. Oil Res.</i> 4: 231-234.
<i>Pelargonium roseum</i>	Shoot	--	18.0	-0.52	*
<i>Pelargonium graveolens</i>	Essential Oil	2.0	12.0	-1.0	*
<i>Petroselinum crispum</i>	Leaf	--	2.9	-0.39	*
<i>Pimenta racemosa</i>	Leaf	--	11080.0	2.65	*
<i>Rosa damascena</i>	Essential Oil	--	--		*
<i>Salvia sclarea</i>	Plant	0.4	340.0	-0.45	<i>Flavour and Fragrance Journal</i> , 6: 154.
<i>Telosma cordata</i>	Flower	--	71.0	-1.0	K. Furukawa, T. Arai, S. Hashimoto, (1993); Volatile components of <i>Telosma cordata</i> Merrill flowers, <i>Flavour Fragr. J.</i> , Vol 8, 221-223.
<i>Thymus funkii</i>	Shoot	--	5.0	-0.56	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 capitatus</i>	Plant	--	--		Lawrence, B.M., <i>Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.</i>

Thymus longicaulis	Shoot	--	42.0	-0.44	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 x citriodorus	Plant	--	55.0	-0.72	Stahl-Biskup, E. and Holthuijzen, J. 1995. Essential oil and glycosidally bound volatiles of lemon-scented thyme, Thymus x citriodorus (Pers.) Schreb. Flav. & Fragr. J. 10: 225-229.
Thymus longicaulis	Shoot	--	42.0	-0.44	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	--	--		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	--	--	-0.57	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.
Zingiber officinale	Rhizome Essent. Oil	81000.0	260000.0		*
Zingiber officinale	Rhizome	--	410.0		*