

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for NEROL

Plant	Part	Low PPM	High PPM	StdDev	Reference
Aeolanthus myriantha	Flower				Wealth of India.
Agathosma betulina	Leaf Essent. Oil				--
Aloysia citrodora	Plant	52.0	364.0	-0.20710755808907458	--
Artemisia dracunculus	Shoot	670.0	6700.0	3.4616488061589012	--
Artemisia dracunculus	Leaf Essent. Oil		670000.0	1.0	--
Artemisia vulgaris	Plant				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.
Bursera delpechiana	Wood				--
Camellia sinensis	Leaf				--
Cananga odorata	Flower				--
Centella asiatica	Shoot				Jim Duke's personal files.
Cinnamomum verum	Plant				--
Cinnamomum verum	Stem Bark				--
Cinnamomum camphora	Leaf				--
Cinnamomum verum	Leaf Essent. Oil				--
Cinnamomum verum	Leaf		120.0	0.11698444324247205	Mallavarupu, G. R. et al. 1995. Investigation of the essential oil of cinnamon leaf grown at Bangalore and Hyderabad. Flav. & Fragr. J., 10: 239-242.
Cistus ladaniferus	Leaf	22.0	1540.0	5.043056359759002	--
Citrus limon	Leaf Essent. Oil	8000.0	76000.0	-1.0	Jim Duke's personal files.
Citrus paradisi	Pericarp		3.0		--
Citrus limon	Pericarp Essent. Oil				Jim Duke's personal files.
Citrus aurantium	Leaf	100.0	150.0	0.2210563851407086	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Citrus limon	Petiole		41.0		--
Citrus limon	Pericarp				Jim Duke's personal files.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Citrus aurantium	Plant				--
Citrus reticulata	Fruit	0.4	0.8	-0.5635185349637161	--
Citrus sinensis	Fruit	0.7	1.0	-0.5477997473775594	--
Coriandrum sativum	Essential Oil				--
Coriandrum sativum	Fruit				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Coriandrum sativum	Seed Essent. Oil		6150.0	1.0	--
Cymbopogon winterianus	Plant	308.0	539.0	-0.09411044923299343	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Cymbopogon citratus	Plant				Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
Cymbopogon parkeri	Plant	2059.0	6189.0	3.5540819224062026	Rizk, A.F.M., The Phytochemistry of the Flora of Qatar, Scientific and Applied Research Centre, University of Qatar, Kingprint, Richmond, UK, 1986.
Cymbopogon nardus	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Elettaria cardamomum	Seed Essent. Oil		3000.0	-1.0	--
Elettaria cardamomum	Fruit	10.0	30.0	1.7314244526151554	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.
Elsholtzia pilosa	Shoot		1.0	-0.3177134482096298	--
Elsholtzia eriostachya	Shoot		11.0	-0.3120717669820309	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.
Eucalyptus desquamata	Leaf	0.0	15.0	-0.2472673534013559	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Symphyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364

Plant	Part	Low PPM	High PPM	StdDev	Reference
Eucalyptus lansdowneana	Leaf		9.0	-0.2680817417810032	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Symphyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus behriana	Leaf		85.0	-0.004432822305470601	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Symphyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus sparsa	Leaf		25.0	-0.2125767061019437	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Symphyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus melanophloia	Leaf	0.0	0.8	-0.29652807256652114	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Symphyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus odorata	Leaf		4.4	-0.2840394395387329	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Symphyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus populnea	Leaf		5.0	-0.2819580007007681	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Symphyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364

Plant	Part	Low PPM	High PPM	StdDev	Reference
Eucalyptus ochrophloia	Leaf		0.5	-0.29756879198550357	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Symphyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus cuprea	Leaf		6.4	-0.27710131007885047	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Symphyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus leucoxydon	Leaf	0.0	5.5	-0.2802234683357975	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Symphyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus viridis	Leaf	0.0	0.5	-0.29756879198550357	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Symphyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus porosa	Leaf		10.0	-0.264612677051062	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Symphyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus intertexta	Leaf		5.5	-0.2802234683357975	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Symphyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364

Plant	Part	Low PPM	High PPM	StdDev	Reference
Eucalyptus largisparsa	Leaf		4.6	-0.2833456265927445	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Symphyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Eucalyptus fasciculosa	Leaf	0.0	1.3	-0.2947935402015505	Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Symphyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364
Helichrysum angustifolium	Plant	225.0	1000.0	0.2035562203821693	--
Humulus lupulus	Fruit				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Humulus lupulus	Essential Oil				--
Hypericum perforatum	Plant	1.0	18.0	-0.4305189847416696	--
Hyssopus officinalis	Leaf	0.8	9.0	-0.2680817417810032	Flavour and Fragrance Journal, 6: 72.
Hyssopus officinalis	Flower	0.8	8.0	-1.1381482713893585	Flavour and Fragrance Journal, 6: 72.
Jasminum officinale	Flower				--
Juniperus communis	Fruit				--
Juniperus communis	Fruit Essent. Oil				--
Laurus nobilis	Leaf				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Lavandula latifolia	Plant	1.0	15.0	-0.4324560780363453	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.
Mangifera indica	Flower				--
Melaleuca alternifolia	Leaf		0.001	-0.2992998552857443	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Melia azedarach	Wood				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Melissa officinalis	Shoot	1.0	24.0	-0.30473758138615226	Deutsche Apot. Ziti. 129(4):155-163. W. Schulze et al. Die Melisse.
Mentha x piperita	Tissue Culture				--
Mentha pulegium	Plant	10.0	20.0	-0.4292275892118858	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Mentha pulegium	Essential Oil		1000.0	-0.8213756657344466	--
Monarda fistulosa	Plant	15.0	310.0	-0.24197523739323681	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Myristica fragrans	Essential Oil				--
Myrtus communis	Plant				--
Nepeta cataria	Essential Oil		276000.0	1.407686585025154	--
Nepeta cataria	Plant				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.
Ocimum tenuiflorum	Leaf				=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 basilicum	Essential Oil		30000.0	-0.586310919290707	--
Ocimum basilicum	Plant	2.5	300.0	-0.24843221504215574	--
Ocimum basilicum	Shoot Essent. Oil		700.0		--
Origanum vulgare	Plant		0.6	-0.4417541258507886	Sezik, E., Tumen, G., Kirimer, N., Ozek, T., and Baser, K.H.C. 1993. Essential Oil Composition of Four Origanum vulgare Subspecies of Anatolian Origin. J. Ess. Oil Res., 5: 425-431.
Origanum vulgare	Plant		0.9	-0.4415604165213209	Sezik, E., Tumen, G., Kirimer, N., Ozek, T., and Baser, K.H.C. 1993. Essential Oil Composition of Four Origanum vulgare Subspecies of Anatolian Origin. J. Ess. Oil Res., 5: 425-431.
Pelargonium roseum	Shoot		216.0	-0.19641730181625255	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Pelargonium citrosum</i>	Shoot		5.0	-0.3154567757185902	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>Peumus boldus</i>	Leaf	0.0	12.0	-0.2576745475911795	--
<i>Pimenta racemosa</i>	Leaf	0.0	110.0	0.08229379594305986	--
<i>Polianthes tuberosa</i>	Flower				--
<i>Robinia pseudoacacia</i>	Flower				--
<i>Rosa centifolia</i>	Essential Oil				--
<i>Rosa gallica</i>	Flower	15.0	36.0	-0.8503997242209429	--
<i>Rosa damascena</i>	Essential Oil				--
<i>Rosmarinus officinalis</i>	Shoot		0.0	-0.3182776163323897	Tucker, A. O. and Maciarelo, M. J. 1998. The essential oils of some rosemary cultivars. <i>Flavor and Fragrance Journal</i> , 1: 137-142. 1986.
<i>Salvia sclarea</i>	Plant	6.0	280.0	-0.2613461703399936	<i>Flavour and Fragrance Journal</i> , 6: 154.
<i>Sambucus nigra</i>	Flower Essent. Oil				--
<i>Satureja montana</i>	Plant	1.0	270.0	-0.2678031479889125	Stanic, G., Petricic, J., and Blazevic, N. 1991. Gas Chromatographic Investigations of Essential Oils of <i>Satureja montana</i> and <i>Satureja subspicata</i> from Yugoslavia. <i>J. Ess. Oil Res.</i> , 3: 153-158.
<i>Satureja hortensis</i>	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Sideritis mugronensis</i>	Flower	160.0	220.0	1.0405193000286461	Manez, S., Jimenez, A., and Villar, A. 1991. Volatiles of <i>Sideritis mugronensis</i> Flower and Leaf. <i>J. Ess. Oil Res.</i> , 3: 395-397.
<i>Sideritis scardica</i>	Shoot		65.0	-0.28160668835299657	Menkovic, N., et al. 1991. The Essential Oil of <i>Sideritis scardica</i> . <i>Pl. Med.</i> 57. Suppl. 2. pp. A137-A132.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Sideritis mugronensis	Leaf	55.0	80.0	-0.021778145955176693	Manez, S., Jimenez, A., and Villar, A. 1991. Volatiles of Sideritis mugronensis Flower and Leaf. J. Ess. Oil Res., 3: 395-397.
Skimmia arborescens	Leaf				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Tamarindus indica	Fruit				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Telosma cordata	Flower		211.0	0.9480286955816554	K. Furukawa, T. Arai, S. Hashimoto, (1993); Volatile components of Telosma cordata Merrill flowers, Flavour Fragr. J., Vol 8, 221-223.
Teucrium micropodioides	Leaf		80.0	-0.021778145955176693	Arnold, N., Bellomaria, B., Velentini G. and Rifaiani, S.M. 1991. Comparative Study on Essential Oil of Some Teucrium Species from Cyprus. J. Ethnopharm. 35: 105-113.
Teucrium cyprium	Leaf		50.0	-0.12585008785341326	Arnold, N., Bellomaria, B., Velentini G. and Rifaiani, S.M. 1991. Comparative Study on Essential Oil of Some Teucrium Species from Cyprus. J. Ethnopharm. 35: 105-113.
Teucrium kotschyianum	Leaf		0.0	-0.2993033243504742	Arnold, N., Bellomaria, B., Velentini G. and Rifaiani, S.M. 1991. Comparative Study on Essential Oil of Some Teucrium Species from Cyprus. J. Ethnopharm. 35: 105-113.
Teucrium divaricatum	Leaf		0.0	-0.2993033243504742	Arnold, N., Bellomaria, B., Velentini G. and Rifaiani, S.M. 1991. Comparative Study on Essential Oil of Some Teucrium Species from Cyprus. J. Ethnopharm. 35: 105-113.
Thymus x citriodorus	Plant		280.0	-0.2613461703399936	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.



Plant	Part	Low PPM	High PPM	StdDev	Reference
Thymus longicaulis	Shoot		140.0	-0.2392940791460045	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		16.0	-0.30925092636823137	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		140.0	-0.2392940791460045	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		16.0	-0.30925092636823137	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	-0.3182776163323897	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.
Tilia sp.	Flower				--
Vaccinium corymbosum	Fruit	0.02	0.08	-0.62010617027388	--
Vaccinium myrtillus	Fruit Juice		0.002		--
Vitis vinifera	Leaf				--
Zingiber officinale	Rhizome				--
Zingiber officinale	Rhizome Essent. Oil				--