

Dr. Duke's Phytochemical and Ethnobotanical Database

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	364	-0.20710755808907458	--
Artemisia dracunculus	Shoot	670	6700	3.4616488061589012	--
Artemisia dracunculus	Leaf Essent. Oil	--	670000	1	--
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 camphora	Leaf	--	--		--
Cinnamomum verum	Plant	--	--		--
Cinnamomum verum	Leaf	--	120	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.
Cinnamomum verum	Leaf Essent. Oil	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Cinnamomum verum	Stem Bark	--	--		--
Cistus ladaniferus	Leaf	22	1540	5.043056359759002	--
Citrus aurantium	Leaf	100	150	0.2210563851407086	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Citrus aurantium	Plant	--	--		--
Citrus limon	Leaf Essent. Oil	8000	76000	-1	Jim Duke's personal files.
Citrus limon	Pericarp	--	--		Jim Duke's personal files.
Citrus limon	Pericarp Essent. Oil	--	--		Jim Duke's personal files.
Citrus limon	Petiole	--	41		--
Citrus paradisi	Pericarp	--	3		--
Citrus reticulata	Fruit	0.4	0.8	-0.5635185349637161	--
Citrus sinensis	Fruit	0.7	1	-0.5477997473775594	--
Coriandrum sativum	Fruit	--	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Coriandrum sativum	Seed Essent. Oil	--	6150	1	--
Coriandrum sativum	Essential Oil	--	--		--
Cymbopogon citratus	Plant	--	--		Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Cymbopogon nardus</i>	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Cymbopogon parkeri</i>	Plant	2059	6189	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.
<i>Cymbopogon winterianus</i>	Plant	308	539	-0.09411044923299343	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Elettaria cardamomum</i>	Fruit	10	30	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.
<i>Elettaria cardamomum</i>	Seed Essent. Oil	--	3000	-1	--
<i>Elsholtzia eriostachya</i>	Shoot	11	11	-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 <i>Elsholtzia eriostachya</i> var. <i>pusilla</i> . J. Ess. Oil Res. 4: 547-549.
<i>Elsholtzia pilosa</i>	Shoot	1	1	-0.3177134482096298	--
<i>Eucalyptus behriana</i>	Leaf	85	85	-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 <i>Eucalyptus</i> . Part VI. Subgenus <i>Symphyomyrtus</i> , Section <i>Adnataria</i> . Flavour and Fragrance J. 10(6):359-364
<i>Eucalyptus cuprea</i>	Leaf	6.4	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 <i>Eucalyptus</i> . Part VI. Subgenus <i>Symphyomyrtus</i> , Section <i>Adnataria</i> . Flavour and Fragrance J. 10(6):359-364
<i>Eucalyptus desquamata</i>	Leaf	0	15	-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 <i>Eucalyptus</i> . Part VI. Subgenus <i>Symphyomyrtus</i> , Section <i>Adnataria</i> . Flavour and Fragrance J. 10(6):359-364

Plant	Part	Low PPM	High PPM	StdDev	Reference
Eucalyptus fasciculosa	Leaf	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
Eucalyptus intertexta	Leaf	5.5	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 lansdowneana	Leaf	9	9	-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 largisparsa	Leaf	4.6	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 leucoxylon	Leaf	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 melanophloia	Leaf	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 ochrophloia	Leaf	0.5	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

Plant	Part	Low PPM	High PPM	StdDev	Reference
Eucalyptus odorata	Leaf	4.4	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	5	-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
Eucalyptus porosa	Leaf	10	10	-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 sparsa	Leaf	25	25	-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 viridis	Leaf	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
Helichrysum angustifolium	Plant	225	1000	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	18	-0.4305189847416696	--
Hyssopus officinalis	Flower	0.8	8	-1.1381482713893585	Flavour and Fragrance Journal, 6: 72.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Hyssopus officinalis</i>	Leaf	0.8	9	-0.2680817417810032	Flavour and Fragrance Journal, 6: 72.
<i>Jasminum officinale</i>	Flower	--	--		--
<i>Juniperus communis</i>	Fruit	--	--		--
<i>Juniperus communis</i>	Fruit Essent. Oil	--	--		--
<i>Laurus nobilis</i>	Leaf	--	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Lavandula latifolia</i>	Plant	1	15	-0.4324560780363453	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Lavandula x intermedia</i>	Plant	--	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Mangifera indica</i>	Flower	--	--		--
<i>Melaleuca alternifolia</i>	Leaf	0.001	0.001	-0.2992998552857443	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Melia azedarach</i>	Wood	--	--		--
<i>Melissa officinalis</i>	Shoot	1	24	-0.30473758138615226	Deutsche Apot. Ztit. 129(4):155-163. W. Schulze et al. Die Melisse.
<i>Mentha pulegium</i>	Plant	10	20	-0.4292275892118858	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
<i>Mentha pulegium</i>	Essential Oil	--	1000	-0.8213756657344466	--
<i>Mentha x piperita</i>	Tissue Culture	--	--		--
<i>Monarda fistulosa</i>	Plant	15	310	-0.24197523739323681	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Myristica fragrans	Essential Oil	--	--		--
Myrtus communis	Plant	--	--		--
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.
Nepeta cataria	Essential Oil	276000	276000	1.407686585025154	--
Ocimum basilicum	Plant	2.5	300	-0.24843221504215574	--
Ocimum basilicum	Essential Oil	--	30000	-0.586310919290707	--
Ocimum basilicum	Shoot Essent. Oil	--	700		--
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
Origanum vulgare	Plant	0.9	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.
Origanum vulgare	Plant	0.6	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.
Pelargonium citrosum	Shoot	--	5	-0.3154567757185902	Matsuda, B. M., et al. 1996. Essential Oil Analysis and Field Evaluation of the Citrosa Plant 'Pelargonium citrosum' as a Repellent Against Populations of Aedes Mosquitoes. J. Am. Mosq. Contr. Assoc. 12(1):69-74.
Pelargonium roseum	Shoot	--	216	-0.19641730181625255	--
Peumus boldus	Leaf	0	12	-0.2576745475911795	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Pimenta racemosa</i>	Leaf	0	110	0.08229379594305986	--
<i>Polianthes tuberosa</i>	Flower	--	--		--
<i>Robinia pseudoacacia</i>	Flower	--	--		--
<i>Rosa centifolia</i>	Essential Oil	--	--		--
<i>Rosa damascena</i>	Essential Oil	--	--		--
<i>Rosa gallica</i>	Flower	15	36	-0.8503997242209429	--
<i>Rosmarinus officinalis</i>	Shoot	--	0	-0.3182776163323897	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>Salvia sclarea</i>	Plant	6	280	-0.2613461703399936	<i>Flavour and Fragrance Journal</i> , 6: 154.
<i>Sambucus nigra</i>	Flower Essent. Oil	--	--		--
<i>Satureja hortensis</i>	Plant	--	--		List, P.H. and Horhammer, L., <i>Hager's Handbuch der Pharmazeutischen Praxis</i> , Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Satureja montana</i>	Plant	1	270	-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>Sideritis mugronensis</i>	Flower	160	220	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 mugronensis</i>	Leaf	55	80	-0.021778145955176693	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	65	-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
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	211	0.9480286955816554	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.
Teucrium cyprum	Leaf	50	50	-0.12585008785341326	Arnold, N., Bellomaria, B., Velentini G. and Rafaiani, S.M. 1991. Comparative Study on Essential Oil of Some <i>Teucrium</i> Species from Cyprus. <i>J. Ethnopharm.</i> 35: 105-113.
Teucrium divaricatum	Leaf	0	0	-0.2993033243504742	Arnold, N., Bellomaria, B., Velentini G. and Rafaiani, S.M. 1991. Comparative Study on Essential Oil of Some <i>Teucrium</i> Species from Cyprus. <i>J. Ethnopharm.</i> 35: 105-113.
Teucrium kotschyianum	Leaf	0	0	-0.2993033243504742	Arnold, N., Bellomaria, B., Velentini G. and Rafaiani, S.M. 1991. Comparative Study on Essential Oil of Some <i>Teucrium</i> Species from Cyprus. <i>J. Ethnopharm.</i> 35: 105-113.
Teucrium micropodioides	Leaf	80	80	-0.021778145955176693	Arnold, N., Bellomaria, B., Velentini G. and Rafaiani, S.M. 1991. Comparative Study on Essential Oil of Some <i>Teucrium</i> Species from Cyprus. <i>J. Ethnopharm.</i> 35: 105-113.
Thymus funkii	Shoot	16	16	-0.30925092636823137	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.
Thymus funkii	Shoot	--	16	-0.30925092636823137	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.
Thymus longicaulis	Shoot	140	140	-0.2392940791460045	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 longicaulis	Shoot	--	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.
Thymus longicaulis	Shoot	--	140	-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 x citriodorus	Plant	280	280	-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.
Tilia sp.	Flower	--	--		--
Vaccinium corymbosum	Fruit	0.02	0.08	-0.62010617027388	--
Vaccinium myrtillus	Fruit Juice	0.002	0.002		--
Vitis vinifera	Leaf	--	--		--
Zingiber officinale	Rhizome	--	--		--
Zingiber officinale	Rhizome Essent. Oil	--	--		--