

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for NEROL

Plant	Part	Low PPM	High PPM	StdDev	Reference
Cistus ladaniferus	Leaf	22.0	1540.0	5.043056359759002	--
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.
Artemisia dracunculus	Shoot	670.0	6700.0	3.4616488061589012	--
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.
Nepeta cataria	Essential Oil		276000.0	1.407686585025154	--
Sideritis mugronensis	Flower	160.0	220.0	1.0405193000286461	Manez, S., Jimenez, A., and Villar, A. 1991. Volatiles of Sideritis mugronensis Flower and Leaf. J. Ess. Oil Res., 3: 395-397.
Coriandrum sativum	Seed Essent. Oil		6150.0	1.0	--
Artemisia dracunculus	Leaf Essent. Oil		670000.0	1.0	--
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.
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.
Helichrysum angustifolium	Plant	225.0	1000.0	0.2035562203821693	--
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.
Pimenta racemosa	Leaf	0.0	110.0	0.08229379594305986	--
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

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Sideritis mugronensis</i>	Leaf	55.0	80.0	-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>Teucrium micropodioides</i>	Leaf		80.0	-0.021778145955176693	Arnold, N., Bellomaria, B., Velentini G. and Rifaiani, S.M. 1991. Comparative Study on Essential Oil of Some <i>Teucrium</i> Species from Cyprus. <i>J. Ethnopharm.</i> 35: 105-113.
<i>Cymbopogon winterianus</i>	Plant	308.0	539.0	-0.09411044923299343	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Teucrium cyprium</i>	Leaf		50.0	-0.12585008785341326	Arnold, N., Bellomaria, B., Velentini G. and Rifaiani, S.M. 1991. Comparative Study on Essential Oil of Some <i>Teucrium</i> Species from Cyprus. <i>J. Ethnopharm.</i> 35: 105-113.
<i>Pelargonium roseum</i>	Shoot		216.0	-0.19641730181625255	--
<i>Aloysia citrodora</i>	Plant	52.0	364.0	-0.20710755808907458	--
<i>Eucalyptus sparsa</i>	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 <i>Eucalyptus</i> . Part VI. Subgenus <i>Symphomyrtus</i> , Section <i>Adnataria</i> . <i>Flavour and Fragrance J.</i> 10(6):359-364
<i>Thymus longicaulis</i>	Shoot		140.0	-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.
<i>Thymus longicaulis</i>	Shoot		140.0	-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.
<i>Monarda fistulosa</i>	Plant	15.0	310.0	-0.24197523739323681	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

Plant	Part	Low PPM	High PPM	StdDev	Reference
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
Ocimum basilicum	Plant	2.5	300.0	-0.24843221504215574	--
Peumus boldus	Leaf	0.0	12.0	-0.2576745475911795	--
Salvia sclarea	Plant	6.0	280.0	-0.2613461703399936	Flavour and Fragrance Journal, 6: 154.
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.
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
Satureja montana	Plant	1.0	270.0	-0.2678031479889125	Stanic, G., Petricic, J., and Blazevic, N. 1991. Gas Chromatographic Investigations of Essential Oils of Satureja montana and Satureja subspicata from Yugoslavia. J. Ess. Oil Res., 3: 153-158.
Hyssopus officinalis	Leaf	0.8	9.0	-0.2680817417810032	Flavour and Fragrance Journal, 6: 72.
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

Plant	Part	Low PPM	High PPM	StdDev	Reference
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 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
Sideritis scardica	Shoot		65.0	-0.28160668835299657	Menkovic, N., et al. 1991. The Essential Oil of Sideritis scardica. Pl. Med. 57. Suppl. 2. pp. A137-A132.
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
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

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Eucalyptus odorata</i>	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 <i>Eucalyptus</i> . Part VI. Subgenus <i>Symphomyrtus</i> , Section <i>Adnataria</i> . Flavour and Fragrance J. 10(6):359-364
<i>Eucalyptus fasciculosa</i>	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 <i>Eucalyptus</i> . Part VI. Subgenus <i>Symphomyrtus</i> , Section <i>Adnataria</i> . Flavour and Fragrance J. 10(6):359-364
<i>Eucalyptus melanophloia</i>	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 <i>Eucalyptus</i> . Part VI. Subgenus <i>Symphomyrtus</i> , Section <i>Adnataria</i> . Flavour and Fragrance J. 10(6):359-364
<i>Eucalyptus viridis</i>	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 <i>Eucalyptus</i> . Part VI. Subgenus <i>Symphomyrtus</i> , Section <i>Adnataria</i> . Flavour and Fragrance J. 10(6):359-364
<i>Eucalyptus ochrophloia</i>	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 <i>Eucalyptus</i> . Part VI. Subgenus <i>Symphomyrtus</i> , Section <i>Adnataria</i> . Flavour and Fragrance J. 10(6):359-364
<i>Melaleuca alternifolia</i>	Leaf		0.001	-0.2992998552857443	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Teucrium kotschyannum</i>	Leaf		0.0	-0.2993033243504742	Arnold, N., Bellomaria, B., Velentini G. and Rifaiani, S.M. 1991. Comparative Study on Essential Oil of Some <i>Teucrium</i> Species from Cyprus. J. Ethnopharm. 35: 105-113.

Plant	Part	Low PPM	High PPM	StdDev	Reference
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 Teucrium Species from Cyprus. J. Ethnopharm. 35: 105-113.
Melissa officinalis	Shoot	1.0	24.0	-0.30473758138615226	Deutsche Apot. Ziti. 129(4):155-163. W. Schulze et al. Die Melisse.
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 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.
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.
Pelargonium citrosum	Shoot		5.0	-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.
Elsholtzia pilosa	Shoot		1.0	-0.3177134482096298	--
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.
Rosmarinus officinalis	Shoot		0.0	-0.3182776163323897	Tucker, A. O. and Maciarelo, M. J. 1998. The essential oils of some rosemary cultivars. Flavor and Fragrance Journal, 1: 137-142. 1986.
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.
Hypericum perforatum	Plant	1.0	18.0	-0.4305189847416696	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Lavandula latifolia	Plant	1.0	15.0	-0.4324560780363453	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
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.
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.
Citrus sinensis	Fruit	0.7	1.0	-0.5477997473775594	--
Citrus reticulata	Fruit	0.4	0.8	-0.5635185349637161	--
Ocimum basilicum	Essential Oil		30000.0	-0.586310919290707	--
Vaccinium corymbosum	Fruit	0.02	0.08	-0.62010617027388	--
Mentha pulegium	Essential Oil		1000.0	-0.8213756657344466	--
Rosa gallica	Flower	15.0	36.0	-0.8503997242209429	--
Citrus limon	Leaf Essent. Oil	8000.0	76000.0	-1.0	Jim Duke's personal files.
Elettaria cardamomum	Seed Essent. Oil		3000.0	-1.0	--
Hyssopus officinalis	Flower	0.8	8.0	-1.1381482713893585	Flavour and Fragrance Journal, 6: 72.
Rosa damascena	Essential Oil				--
Tilia sp.	Flower				--
Laurus nobilis	Leaf				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Tamarindus indica	Fruit				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Lavandula x intermedia	Plant				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Vitis vinifera	Leaf				--
Polianthes tuberosa	Flower				--
Myristica fragrans	Essential Oil				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Sambucus nigra	Flower Essent. Oil				--
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
Centella asiatica	Shoot				Jim Duke's personal files.
Melia azedarach	Wood				--
Agathosma betulina	Leaf Essent. Oil				--
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.
Citrus aurantium	Plant				--
Zingiber officinale	Rhizome				--
Coriandrum sativum	Essential Oil				--
Cinnamomum verum	Plant				--
Robinia pseudoacacia	Flower				--
Humulus lupulus	Essential Oil				--
Citrus limon	Pericarp				Jim Duke's personal files.
Citrus limon	Pericarp Essent. Oil				Jim Duke's personal files.
Coriandrum sativum	Fruit				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Juniperus communis	Fruit				--
Citrus limon	Petiole		41.0		--
Juniperus communis	Fruit Essent. Oil				--
Cinnamomum verum	Leaf Essent. Oil				--
Cinnamomum verum	Stem Bark				--
Cananga odorata	Flower				--



Plant	Part	Low PPM	High PPM	StdDev	Reference
Jasminum officinale	Flower				--
Vaccinium myrtillus	Fruit Juice		0.002		--
Cymbopogon citratus	Plant				Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
Skimmia arborescens	Leaf				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Ocimum basilicum	Shoot Essent. Oil		700.0		--
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.
Myrtus communis	Plant				--
Camellia sinensis	Leaf				--
Cinnamomum camphora	Leaf				--
Humulus lupulus	Fruit				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Citrus paradisi	Pericarp		3.0		--
Satureja hortensis	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Aeolanthus myriantha	Flower				Wealth of India.
Bursera delpechiana	Wood				--
Rosa centifolia	Essential Oil				--
Zingiber officinale	Rhizome Essent. Oil				--
Cymbopogon nardus	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Mangifera indica	Flower				--
Mentha x piperita	Tissue Culture				--