

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for CITRAL

Plant	Part	Low PPM	High PPM	StdDev	Reference
Abelmoschus esculentus	Fruit				Wealth of India.
Abelmoschus esculentus	Leaf				Wealth of India.
Aegle marmelos	Leaf				Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Allium sativum var. sativum	Bulb				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.
Aloysia citrodora	Plant	180.0	2730.0	-0.4767698048882568	--
Aniba rosaeodora	Essential Oil		1500.0	-0.7836319327122078	--
Anisomeles malabarica	Plant				Wealth of India.
Artemisia dracuncululus	Plant				Stitt, Paul. Why George should eat broccoli.
Citrullus colocynthis	Petiole				--
Citrus aurantium	Plant				--
Citrus limon	Pericarp				--
Citrus limon	Essential Oil	250.0	300.0	-0.7878308981922465	--
Citrus aurantiifolia	Fruit				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Citrus paradisi	Fruit				Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
Citrus limon	Fruit Essent. Oil		6000.0		Jim Duke's personal files.
Citrus medica	Pericarp				--
Cnicus benedictus	Essential Oil				Wichtl, M. 1984. Teedrogen. Ein Handbuch für Apotheker und Ärzte. Wissenschaftliche Verlagsgesellschaft. mbH Stuttgart. 393 pp.
Cnicus benedictus	Shoot				Jim Duke's personal files.
Conyza canadensis	Plant				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Cymbopogon flexuosus	Leaf	250.0	4250.0	-1.0	Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Cymbopogon citratus	Plant	1080.0	25500.0	1.934185258029397	--
Cymbopogon winterianus	Plant	8.0	14.0	-0.7643479318484829	Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
Daucus carota	Seed		200.0		--
Elsholtzia nipponica	Plant				Hegnauer, R. 1962-1997. Chemotaxonomie der Pflanzen, Bde 1-11. Birkhauser Verlag Basel, Boston, Berlin.
Eucalyptus citriodora	Leaf				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Eucalyptus globulus	Fruit Essent. Oil				--
Foeniculum vulgare	Seed Essent. Oil				Jim Duke's personal files.
Fragaria spp	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Helianthus annuus	Flower				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
Humulus lupulus	Fruit				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Humulus lupulus	Essential Oil				--
Lantana camara	Leaf				--
Laurus nobilis	Fruit Essent. Oil				--
Laurus nobilis	Leaf				--
Lippia alba	Plant				Grenand, P., Moretti, C., and Jacquemin, H. 1987. Pharmacopees Traditionnelles en Guyane. l'ORSTROM, Paris. 569 pp.
Lycopersicon esculentum	Fruit				--
Magnolia kobus	Leaf Essent. Oil				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Magnolia fargesii	Flower				--
Melaleuca viridiflora	Leaf				Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
Melissa officinalis	Shoot				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Mentha x rotundifolia	Shoot	9.0	150.0	1.0	--
Monarda citriodora	Plant				--
Nepeta cataria	Plant				--
Ocimum basilicum	Essential Oil		700000.0	1.6605158904602735	--
Ocimum canum	Shoot				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Ocimum tenuiflorum	Plant				--
Ocimum gratissimum	Plant				Tramil
Ocimum basilicum	Plant	560.0	7000.0	-0.02464955373944787	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Origanum majorana	Plant				--
Panax ginseng	Root Essent. Oil				--
Panax ginseng	Root				Wichtl, M. 1984. Teedrogen. Ein Handbuch für Apotheker und Ärzte. Wissenschaftliche Verlagsgesellschaft. mbH Stuttgart. 393 pp.
Pelargonium graveolens	Essential Oil				--
Perilla frutescens	Essential Oil		200000.0	-0.0890530595558191	--
Perilla frutescens	Plant				Chemical Constituents of Oriental Herbs (3 diff. books)
Pimenta racemosa	Leaf	8000.0	31200.0	1.0	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Pinus sylvestris	Leaf				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Piper nigrum	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Psidium guajava	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Rosa gallica	Flower				--
Rosa centifolia	Essential Oil				--
Salvia sclarea	Plant	75.0	920.0	-0.6684179675532087	Flavour and Fragrance Journal, 6: 154.
Salvia officinalis	Plant				Stitt, Paul. Why George should eat broccoli.
Sassafras albidum	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Satureja obovata	Shoot	60.0	110.0	-1.0	Fitoterapia No.60: 277.
Schisandra chinensis	Essential Oil				Chemical Constituents of Oriental Herbs (3 diff. books)
Skimmia arborescens	Leaf				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Stachytarpheta cayennensis	Plant				--
Tagetes filifolia	Essential Oil				Fester, G. A., Gargallo, M. A., Martinuzzi, E. A. 1947. Some Volatile Essential Oils From San Luis y Cordoba. An Soc Cient Argent 144: 457-471. Fac Quim Ind + Agr Santa Fe Argentina
Tagetes minuta	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Tagetes minuta	Essential Oil				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Thymus serpyllum	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Thymus vulgaris	Plant				Stitt, Paul. Why George should eat broccoli.
Urtica dioica	Plant				Blaschek, W., Hansel, R., Keller, K., Reichling, J., Rimpler, H., and Schneider, G. eds. 1998. Hager's Handbuch der Pharmazeutischen Praxis, Auflage Band 2 (A-K), 909 pp., (L-Z), 858 pp. Springer-Verlag, Berlin.
Verbena officinalis	Plant				--
Zanthoxylum alatum	Fruit				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Zingiber officinale	Root	0.0	13500.0		--
Zingiber officinale	Rhizome Essent. Oil		130000.0		--
Zingiber officinale	Rhizome	0.0	13500.0		--