

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for CITRAL

Plant	Part	Low PPM	High PPM	StdDev	Reference
Ocimum basilicum	Essential Oil		700000.0	1.6605158904602735	--
Perilla frutescens	Essential Oil		200000.0	-0.0890530595558191	--
Zingiber officinale	Rhizome Essent. Oil		130000.0		--
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.
Cymbopogon citratus	Plant	1080.0	25500.0	1.934185258029397	--
Zingiber officinale	Root	0.0	13500.0		--
Zingiber officinale	Rhizome	0.0	13500.0		--
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.
Citrus limon	Fruit Essent. Oil		6000.0		Jim Duke's personal files.
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.
Aloysia citrodora	Plant	180.0	2730.0	-0.4767698048882568	--
Aniba rosaeodora	Essential Oil		1500.0	-0.7836319327122078	--
Salvia sclarea	Plant	75.0	920.0	-0.6684179675532087	Flavour and Fragrance Journal, 6: 154.
Citrus limon	Essential Oil	250.0	300.0	-0.7878308981922465	--
Daucus carota	Seed		200.0		--
Mentha x rotundifolia	Shoot	9.0	150.0	1.0	--
Satureja obovata	Shoot	60.0	110.0	-1.0	Fitoterapia No.60: 277.
Cymbopogon winterianus	Plant	8.0	14.0	-0.7643479318484829	Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
Origanum majorana	Plant				--
Laurus nobilis	Fruit Essent. Oil				--
Ocimum tenuiflorum	Plant				--
Tagetes minuta	Essential Oil				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Tagetes minuta	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Thymus serpyllum	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Lantana camara	Leaf				--
Nepeta cataria	Plant				--
Citrus limon	Pericarp				--
Citrus medica	Pericarp				--
Humulus lupulus	Fruit				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Foeniculum vulgare	Seed Essent. Oil				Jim Duke's personal files.
Rosa gallica	Flower				--
Humulus lupulus	Essential Oil				--
Cnicus benedictus	Essential Oil				Wichtl, M. 1984. Teedrogen. Ein Handbuch für Apotheker und Ärzte. Wissenschaftliche Verlagsgesellschaft. mbH Stuttgart. 393 pp.
Conyza canadensis	Plant				--
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.
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
Psidium guajava	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Pelargonium graveolens	Essential Oil				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Stachytarpheta cayennensis</i>	Plant				--
<i>Ocimum gratissimum</i>	Plant				Tramil
<i>Anisomeles malabarica</i>	Plant				Wealth of India.
<i>Ocimum canum</i>	Shoot				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Sassafras albidum</i>	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Fragaria</i> spp	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Pinus sylvestris</i>	Leaf				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
<i>Citrus aurantiifolia</i>	Fruit				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
<i>Citrus paradisi</i>	Fruit				Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
<i>Eucalyptus globulus</i>	Fruit Essent. Oil				--
<i>Magnolia fargesii</i>	Flower				--
<i>Thymus vulgaris</i>	Plant				Stitt, Paul. Why George should eat broccoli.
<i>Melaleuca viridiflora</i>	Leaf				Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
<i>Monarda citriodora</i>	Plant				--
<i>Eucalyptus citriodora</i>	Leaf				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Artemisia dracunculus</i>	Plant				Stitt, Paul. Why George should eat broccoli.
<i>Cnicus benedictus</i>	Shoot				Jim Duke's personal files.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Magnolia kobus	Leaf Essent. Oil				--
Piper nigrum	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Skimmia arborescens	Leaf				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
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.
Lippia alba	Plant				Grenand, P., Moretti, C., and Jacquemin, H. 1987. Pharmacopees Traditionnelles en Guyane. l'ORSTROM, Paris. 569 pp.
Lycopersicon esculentum	Fruit				--
Abelmoschus esculentus	Fruit				Wealth of India.
Abelmoschus esculentus	Leaf				Wealth of India.
Melissa officinalis	Shoot				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Schisandra chinensis	Essential Oil				Chemical Constituents of Oriental Herbs (3 diff. books)
Perilla frutescens	Plant				Chemical Constituents of Oriental Herbs (3 diff. books)
Aegle marmelos	Leaf				Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
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.
Laurus nobilis	Leaf				--
Panax ginseng	Root				Wichtl, M. 1984. Teedrogen. Ein Handbuch für Apotheker und Ärzte. Wissenschaftliche Verlagsgesellschaft. mbH Stuttgart. 393 pp.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Rosa centifolia	Essential Oil				--
Verbena officinalis	Plant				--
Elsholtzia nipponica	Plant				Hegnauer, R. 1962-1997. Chemotaxonomie der Pflanzen, Bde 1-11. Birkhauser Verlag Basel, Boston, Berlin.
Zanthoxylum alatum	Fruit				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Citrullus colocynthis	Petiole				--
Panax ginseng	Root Essent. Oil				--
Salvia officinalis	Plant				Stitt, Paul. Why George should eat broccoli.
Citrus aurantium	Plant				--