

# List of Plants



## Chemid

CITRAL

## Dosage

ADI=500 ug/kg

Martindale's 28th

ADI=0.5 gm/kg

LD50=4,960 (orl rat)

\*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

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	-0.48	*
Aniba rosaeodora	Essential Oil	--	1500.0	-0.78	*
Anisomeles malabarica	Plant	--	--		Wealth of India.
Artemisia dracunculus	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	-0.79	*
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 fur Apotheker und Arzte. Wissenschaftliche Verlagsgesellschaft. mbH Stuttgart. 393 pp.
Cnicus benedictus	Shoot	--	--		Jim Duke's personal files.
Conyza canadensis	Plant	--	--		*
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	1.93	*
Cymbopogon winterianus	Plant	8.0	14.0	-0.76	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	--	--		*
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	1.66	*
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	-0.02	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 fur Apotheker und Arzte. Wissenschaftliche Verlagsgesellschaft. mbH Stuttgart. 393 pp.
Pelargonium graveolens	Essential Oil	--	--		*
Perilla frutescens	Essential Oil	--	200000.0	-0.09	*

<i>Perilla frutescens</i>	Plant	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
<i>Pimenta racemosa</i>	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.
<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>Piper nigrum</i>	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Psidium guajava</i>	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Rosa gallica</i>	Flower	--	--		*
<i>Rosa centifolia</i>	Essential Oil	--	--		*
<i>Salvia sclarea</i>	Plant	75.0	920.0	-0.67	Flavour and Fragrance Journal, 6: 154.
<i>Salvia officinalis</i>	Plant	--	--		Stitt, Paul. Why George should eat broccoli.
<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>Satureja obovata</i>	Shoot	60.0	110.0	-1.0	Fitoterapia No.60: 277.
<i>Schisandra chinensis</i>	Essential Oil	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
<i>Skimmia arborescens</i>	Leaf	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Stachytarpheta cayennensis</i>	Plant	--	--		*
<i>Tagetes filifolia</i>	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
<i>Tagetes minuta</i>	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Tagetes minuta</i>	Essential Oil	--	--		*
<i>Thymus serpyllum</i>	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Thymus vulgaris</i>	Plant	--	--		Stitt, Paul. Why George should eat broccoli.
<i>Urtica dioica</i>	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.
<i>Verbena officinalis</i>	Plant	--	--		*
<i>Zanthoxylum alatum</i>	Fruit	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Zingiber officinale</i>	Root	--	13500.0		*
<i>Zingiber officinale</i>	Rhizome Essent. Oil	--	130000.0		*
<i>Zingiber officinale</i>	Rhizome	--	13500.0		*