

List of Plants

FURFURAL

Chemid
FURFURAL

Dosage

LD50=127 (orl rat)

Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.

*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 moschatus	Seed	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Achillea millefolium	Plant	--	--		*
Acorus calamus	Rhizome	--	--		*
Agathosma betulina	Leaf Essent. Oil	--	--		*
Aloysia citrodora	Plant	--	--		Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
Anethum graveolens	Plant	--	--		Rizk, A.F.M., The Phytochemistry of the Flora of Qatar, Scientific and Applied Research Centre, University of Qatar, Kingprint, Richmond, UK, 1986.
Angelica archangelica	Root	--	--		Pakistan Encyclopedia Planta Medica. 1986.
Atractylodes lancea	Rhizome	--	--		*
Avena sativa	Hull Husk	100000.0	132000.0		*
Cananga odorata	Flower	--	--		*
Carum carvi	Seed	--	--		*
Carum carvi	Fruit	--	--		*
Catharanthus roseus	Leaf	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Cinnamomum aromaticum	Plant	--	--		*
Cinnamomum verum	Root Bark	--	--		*
Cinnamomum verum	Bark	3.0	12.0		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Cinnamomum camphora	Plant	--	--		*
Cistus ladaniferus	Leaf	--	--		*
Citrus aurantiifolia	Fruit	--	1.0	-0.71	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Cymbopogon winterianus	Plant	--	--		Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
Cymbopogon citratus	Plant	--	--		Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
Ephedra sinica	Shoot	--	1.0	-1.0	*
Eruca sativa	Hs	--	--		*
Eryngium foetidum	Plant	--	--		Tramil

<i>Fragaria</i> spp	Leaf	--	--		*
<i>Glycyrrhiza glabra</i>	Root Essent. Oil	--	--		*
<i>Glycyrrhiza glabra</i>	Root	--	2.0	-1.0	Kameoka, H. and Nakai, K. 1987. Components of essential oil from the root of <i>Glycyrrhiza-glabra</i> . <i>Nippon Gogeikagaku Kaishi</i> 61(9): 1119-1122.
<i>Hibiscus sabdariffa</i>	Calyx	--	--		*
<i>Hyssopus officinalis</i>	Shoot	1.0	2.0	1.0	Indian Perfumer, 35: 51.
<i>Iris versicolor</i>	Rhizome	--	--		*
<i>Iris x germanica</i>	Rhizome	--	--		*
<i>Lantana camara</i>	Leaf	--	--		*
<i>Lavandula x intermedia</i>	Plant	--	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Lavandula latifolia</i>	Plant	8.0	24.0	1.4	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Levisticum officinale</i>	Root	2.0	20.0	1.0	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Lycopersicon esculentum</i>	Fruit	--	--		*
<i>Matricaria recutita</i>	Plant	--	--		Kameoka, H. and Nakai, K. 1987. Components of essential oil from the root of <i>Glycyrrhiza-glabra</i> . <i>Nippon Gogeikagaku Kaishi</i> 61(9): 1119-1122.
<i>Melissa officinalis</i>	Tissue Culture	--	--		Gbolade, A.A. and Lockwood, G.B. 1991. The Constituents of <i>Melissa officinalis</i> L. Cultures. <i>J. Ess. Oil Res.</i> , 3: 111-114.
<i>Mentha arvensis</i> var. <i>piperascens</i>	Plant	2.0	5.0	-0.5	Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
<i>Mentha aquatica</i>	Leaf	--	--		Jim Duke's personal files.
<i>Mentha spicata</i>	Essential Oil	--	--		*
<i>Mentha spicata</i>	Leaf	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
<i>Myristica fragrans</i>	Seed	--	15000.0	-1.0	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Myrtus communis</i>	Plant	--	1.0	-0.9	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Ocimum basilicum</i>	Plant	--	--		*
<i>Oryza sativa</i>	Petiole	90000.0	100000.0		*
<i>Phragmites australis</i>	Stem	--	66000.0		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Phragmites australis</i>	Rhizome	--	130000.0	1.0	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Pimpinella anisum</i>	Fruit	--	30000.0	1.41	*
<i>Pimpinella anisum</i>	Seed	--	30000.0	1.0	*
<i>Pinus sylvestris</i>	Root	--	--		Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
<i>Rheum palmatum</i>	Rhizome	--	0.5	-1.0	*
<i>Rubus idaeus</i>	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Sterculia urens</i>	Gum	--	123000.0		*
<i>Syzygium aromaticum</i>	Plant	--	--		*
<i>Tamarindus indica</i>	Fruit Essent. Oil	30000.0	1230900.0		*
<i>Theobroma cacao</i>	Exocarp	--	90000.0		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Vanilla planifolia</i>	Fruit	--	54.0	-0.71	*

Zea mays	Plant	--	--		*
Zea mays	Shoot	--	--		*
Zingiber officinale	Rhizome Essent. Oil	--	--		*
Zingiber officinale	Plant	--	--		*