

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for LIGNIN

Plant	Part	Low PPM	High PPM	StdDev	Reference
Acacia nilotica	Plant				--
Acacia decurrens	Plant				--
Ailanthus altissima	Plant				--
Albizia lebeck	Wood		220000.0	-0.9152274713602758	Wealth of India.
Alisma plantago-aquatica	Plant				--
Allium ampeloprasum	Plant				--
Allium sativum var. sativum	Bulb		16000.0		LAWSON in Koch, H. P. and Lawson, L. D., eds. 1996. Garlic-The Science and therapeutic application of Allium sativum L. and related species. Williams & Wilkins, Baltimore. 329 pp.
Allium sativum var. sativum	Epidermis		16000.0		LAWSON in Koch, H. P. and Lawson, L. D., eds. 1996. Garlic-The Science and therapeutic application of Allium sativum L. and related species. Williams & Wilkins, Baltimore. 329 pp.
Aloe vera	Plant				Pakistan Encyclopedia Planta Medica. 1986.
Anabasis aphylla	Plant				--
Arctium lappa	Plant				--
Arisaema triphyllum	Plant				--
Arundo donax	Stem	157000.0	227000.0	0.7720721628827478	--
Avena sativa	Hull Husk	100000.0	150000.0	-1.0	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Avena sativa	Plant		85000.0	-0.9668714696835661	Jim Duke's personal files.*
Bixa orellana	Plant		88200.0	-0.9356977799809222	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.
Boehmeria nivea	Stem		14600.0	-1.5589602094881923	--
Camellia sinensis	Leaf		65000.0		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Ceratonia siliqua</i>	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Cocos nucifera</i>	Hull Husk		294000.0	1.0	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Conium maculatum</i>	Plant		320000.0	1.3224463678543485	--
<i>Croton eluteria</i>	Bark				--
<i>Croton lechleri</i>	Plant				Taylor, Leslie. 2005. The Healing Power of Rainforest Herbs. SquareOne Publisher, Garden City Park, NY. 519 pp.
<i>Drimys winteri</i>	Wood	277000.0	279000.0	-0.2999777089950317	--
<i>Glycine max</i>	Tissue Culture				--
<i>Glycyrrhiza glabra</i>	Root		180000.0		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Helianthus annuus</i>	Pericarp	250000.0	300000.0		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.
<i>Hordeum vulgare</i>	Plant	15000.0	77000.0	-1.044805693940176	Jim Duke's personal files.*
<i>Humulus lupulus</i>	Stem				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Lantana camara</i>	Stem		140000.0	-0.18272923257992538	--
<i>Linum usitatissimum</i>	Seed	52000.0	72000.0	0.4935473881578569	Cunane, S. and Thompson, L. U., eds. 1995. Flaxseed in Human Nutrition. AOCS Press, Champaign IL. 384 pp.
<i>Maclura pomifera</i>	Wood		412200.0	1.089026839260062	Smith, J. L. and Perino, J. V. 1981. Osage Orange ( <i>Maclura pomifera</i> ): History and Economic Uses. Economic Botany 35(1): 24-41
<i>Musa x paradisiaca</i>	Fruit				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Nicotiana tabacum	Leaf				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Oenothera biennis	Seed		160000.0	2.0364308751166993	--
Oryza sativa	Plant	45000.0	255300.0	0.6921533291790163	--
Phaseolus lunatus	Seed	3400.0	6400.0	-0.6566021203023709	--
Phaseolus coccineus	Seed		9900.0	-0.5952374361619625	--
Phaseolus acutifolius	Seed	1200.0	4000.0	-0.6986807608557938	--
Phaseolus vulgaris	Seed	4100.0	10800.0	-0.5794579459544289	--
Punica granatum	Seed				Newman, R. A., Lansky, E. P., with Block, M. L. 2007. Pomegranate - The Most Medicinal Fruit. Basic Health Publications, Laguna Beach, CA. 120 pp.
Quercus suber	Cork	126000.0	180000.0		--
Robinia pseudoacacia	Wood		216000.0	-0.9569393196562246	--
Salix alba	Wood		255000.0	-0.5502487987707242	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Scutellaria churchilliana	Plant				--
Scutellaria lateriflora	Plant				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Sorbus aucubaria	Wood		464400.0	1.633366459522193	--
Spigelia marilandica	Plant				--
Trigonella foenum-graecum	Plant		280000.0	0.9327752465712993	--
Zea mays	Stem	213000.0	245000.0	0.9696172791853698	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Zea mays	Cob				--