

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for SUGARS

Plant	Part	Low PPM	High PPM	StdDev	Reference
Acrocomia totai	Fruit		48500.0	-0.6840010972691447	--
Acrocomia totai	Seed		12800.0	-1.1157854314814055	--
Aegle marmelos	Fruit		46000.0	-0.6943204154097633	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Allium cepa	Bulb				Malkki, Y., Nikkila, O. E., Aalto, M. 1978. The Composition and Aroma of Onions and Influencing Factors. J. Sci. Agr. Soc. Finland, 50: 103-.
Allium sativum var. sativum	Root	51800.0	140000.0	0.3495910254630421	--
Althaea officinalis	Root	11880.0	110000.0	0.05921602494532206	--
Angelica sinensis	Root	24200.0	110000.0	0.05921602494532206	--
Annona cherimola	Fruit		119000.0	-0.3929963257037004	--
Apium graveolens	Seed	14700.0	70000.0	0.3785467314953305	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Apium graveolens	Fruit	14700.0	70000.0	-0.5952549612598248	--
Arctium lappa	Root	35250.0	150000.0	0.44638269230228217	--
Avena sativa	Plant	30000.0	93000.0	-0.22286679279323657	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Avena sativa	Seed	20000.0	50000.0	-0.14394703178324852	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Balanites aegyptiacus	Fruit	380000.0	400000.0	0.7668950333018295	--
Bupleurum chinense	Root	6600.0	60000.0	-0.424742309250878	--
Capsella bursa-pastoris	Plant		48000.0	-0.6301360588113338	--
Capsicum annuum	Fruit	18060.0	70000.0	-0.5952549612598248	--
Carica papaya	Fruit	24300.0	180000.0	-0.14120496307260672	--
Carthamus tinctorius	Flower	12600.0	90000.0	-1.632993161855452	--
Carum carvi	Seed		30000.0	-0.6664407950618276	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Carum carvi	Fruit		30000.0	-0.7603640515097223	--
Centella asiatica	Leaf	9630.0	90000.0	0.3611228146781439	--
Ceratonia siliqua	Fruit	300000.0	700000.0	2.0052132101760605	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Cichorium intybus	Root		585000.0	4.656820199809224	--
Cimicifuga racemosa	Root	21000.0	100000.0	-0.03757564189391796	--
Citrus paradisi	Fruit	33000.0	99600.0	-0.4730742344749007	--
Citrus aurantiifolia	Fruit	0.0	17400.0	-0.8123734149384401	--
Citrus sinensis	Fruit	39600.0	119800.0	-0.38969414389870244	--
Citrus reticulata	Fruit	69400.0	113600.0	-0.4152860528874366	USDA's Ag Handbook 8 and sequelae)
Cnicus benedictus	Plant	15960.0	120000.0	0.021494766817621802	--
Coriandrum sativum	Fruit		200000.0	-0.058650417947657976	Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Crataegus laevigata	Fruit	33480.0	120000.0	-0.388868598447453	--
Curcuma longa	Plant	108500.0	400000.0	2.5556146442635606	--
Cydonia oblonga	Fruit		96000.0	-0.4879340525973915	--
Cyperus rotundus	Root	132200.0	144000.0	0.3883076921987381	--
Cyphomandra betacea	Fruit	50000.0	375000.0	0.6637018518956436	--
Cyrtosperma chamissonis	Root	5000.0	51455.0	-0.5074507885650087	--
Dioscorea alata	Root	5000.0	35980.0	-0.6572358929987325	--
Durio zibethinus	Fruit	120000.0	430000.0	0.8907268509892526	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Eleutherococcus senticosus	Root	18900.0	90000.0	-0.13436730873315797	--
Eleutherococcus senticosus	Flower				--
Eriodictyon californicum	Leaf	19800.0	90000.0	0.3611228146781439	--
Ficus carica	Fruit	68500.0	896800.0	2.817549934205557	Korean J. Food Sci. Techn. 13(2): 166. 1981.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Frangula purshiana	Bark	13850.0	50000.0	-0.5773502691896257	--
Fucus vesiculosus	Plant	2360.0	20000.0	-0.8835480465559278	--
Garcinia mangostana	Fruit	164200.0	960000.0	3.0784222968003947	--
Genipa americana	Fruit	43000.0	132000.0	-0.3393358713724837	--
Gentiana lutea	Root	22000.0	100000.0	-0.03757564189391796	--
Glycine max	Seed		125000.0	1.8154045805114225	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Glycyrrhiza glabra	Root	12560.0	120000.0	0.15600769178456209	--
Gossypium sp	Seed		72900.0	0.4543083271707245	--
Harpagophytum procumbens	Root	11400.0	60000.0	-0.424742309250878	--
Hibiscus sabdariffa	Flower	12100.0	110000.0	0.0	--
Humulus lupulus	Flower	22320.0	120000.0	0.816496580927726	--
Hydrangea arborescens	Root	21000.0	60000.0	-0.424742309250878	--
Hydrastis canadensis	Root	19390.0	70000.0	-0.327950642411638	--
Juglans nigra	Pericarp	6000.0	50000.0		--
Juniperus communis	Fruit	24800.0	80000.0	-0.5539776886973504	--
Larrea tridentata	Plant	26320.0	80000.0	-0.340522358531798	--
Lawsonia inermis	Leaf		110000.0	1.0793781366899218	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Lycium barbarum	Fruit	470000.0	560000.0	1.4273313943014194	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Lycopersicon esculentum	Fruit	15000.0	45000.0	-0.6984481426660107	--
Lycopodium clavatum	Pollen Or Spore		30000.0		Hutchings, A, Scott, AH, Lewis, G, and Cunningham, A. 1996. Zulu Medicinal Plants. An inventory. University of Natal Press, Pietermaritzburg. 450 pp.
Mangifera indica	Seed		10700.0	-1.1706472766256564	--
Mangifera indica	Fruit	112000.0	205000.0	-0.038011781666420795	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Manihot esculenta	Root	3400.0	33730.0	-0.6790140180375616	--
Maranta arundinacea	Root	21000.0	63000.0	-0.39570480919910606	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Medicago sativa	Plant	16920.0	90000.0	-0.2500180771944431	--
Melilotus alba	Seed		27000.0	-0.7448148595536145	--
Momordica charantia	Fruit	35000.0	45000.0	-0.6984481426660107	--
Myrica cerifera	Bark	19620.0	90000.0	0.9622504486493763	--
Opuntia ficus-indica	Fruit	56000.0	560000.0	1.4273313943014194	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Pachyrhizus erosus	Tuber	52200.0	296255.0		--
Panax ginseng	Root	19080.0	90000.0	-0.13436730873315797	--
Perideridia gairdneri	Root		161900.0	0.5615647758409777	Izadoost, M. & Robinson, T., Synergism & antagonism in the pharmacology of alkaloidal plants, pp 137-58 in Craker, L. & Simon, J., eds., Herbs, Spices & Medicinal Plants: Recent Advances in Botany, Horticulture & Pharmacology, v. 2, 1987, 255pp.
Petroselinum crispum	Plant	7110.0	90000.0	-0.2500180771944431	--
Phoenix dactylifera	Fruit	380000.0	850000.0	2.6243722986131766	--
Physalis alkekengi	Fruit		20000.0	-0.8016413240721967	--
Physalis peruviana	Fruit		20000.0	-0.8016413240721967	--
Physalis ixocarpa	Fruit	32400.0	57400.0	-0.6472643246885426	--
Piper methysticum	Root		32000.0	-0.6957589764007501	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Piper betel	Leaf	24000.0	56000.0	-0.8599112327418778	--
Prunus cerasus	Fruit	68000.0	104400.0	-0.453261143644913	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Psoralea esculenta	Root		56000.0	-0.46345897598657404	Izadoost, M. & Robinson, T., Synergism & antagonism in the pharmacology of alkaloidal plants, pp 137-58 in Craker, L. & Simon, J., eds., Herbs, Spices & Medicinal Plants: Recent Advances in Botany, Horticulture & Pharmacology, v. 2, 1987, 255pp.
Pteridium aquilinum	Rhizome	67000.0	213000.0		--
Quercus alba	Bark	6840.0	30000.0	-1.3471506281091268	--
Ribes rubrum	Fruit	6000.0	83200.0	-0.5407689614773586	--
Ribes nigrum	Fruit	15800.0	106400.0	-0.4450056891324181	--
Ribes uva-crispa	Fruit	19800.0	102500.0	-0.46110382543178313	--
Rosa canina	Fruit	28050.0	150000.0	-0.26503678076002984	--
Rubus idaeus	Leaf	10140.0	60000.0	-0.7162601683395223	--
Ruscus aculeatus	Root	24160.0	80000.0	-0.231158975572398	--
Schisandra chinensis	Fruit	18000.0	120000.0	-0.388868598447453	--
Senna alexandrina	Leaf	26390.0	130000.0	1.7976334587016993	--
Serenoa repens	Fruit	13000.0	100000.0	-0.4714231435724017	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Sorbus aucubaria	Fruit	31000.0	80000.0	-0.5539776886973504	--
Symphytum officinale	Leaf	9900.0	90000.0	0.3611228146781439	--
Tamarindus indica	Fruit	200000.0	400000.0	0.7668950333018295	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Taraxacum officinale	Root	14300.0	100000.0	-0.03757564189391796	--
Terminalia bellirica	Leaf	38400.0	53500.0	-0.9496931479933499	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Terminalia arjuna	Fruit		57500.0	-0.6468515519629178	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
Theobroma cacao	Seed	20000.0	40000.0	-0.4051939134225381	Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.
Trifolium pratense	Flower	21600.0	120000.0	0.816496580927726	--
Trigonella foenum-graecum	Seed	44200.0	116700.0	1.5985696687508122	Singh, J., Gupta, K., and Arora, S.K. 1993. Changes in the anti-nutritional factors of developing seeds and pod walls of fenugreek (Trigonella foenum graecum L.). Plant Foods for Human Nutrition. 46: 77-84, 1994.
Trigonella foenum-graecum	Fruit	9300.0	49300.0	-0.6806989154641467	Singh, J., Gupta, K., and Arora, S.K. 1993. Changes in the anti-nutritional factors of developing seeds and pod walls of fenugreek (Trigonella foenum graecum L.). Plant Foods for Human Nutrition. 46: 77-84, 1994.
Turnera diffusa	Leaf	8400.0	40000.0	-1.4345154903512998	--
Ulmus rubra	Bark	14760.0	90000.0	0.9622504486493763	--
Vaccinium myrtillus	Fruit	12000.0	150000.0	-0.26503678076002984	--
Vaccinium macrocarpon	Fruit	14400.0	120000.0	-0.388868598447453	--
Vanilla planifolia	Fruit	71000.0	350000.0	0.5605086704894576	--
Xanthosoma sagittifolium	Root	2700.0	17870.0	-0.83252560164445962	--
Zingiber officinale	Root	5600.0	80000.0	-0.231158975572398	--