

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for OXALIC-ACID

Plant	Part	Low PPM	High PPM	StdDev	Reference
Abelmoschus esculentus	Fruit	8.0	103.0	-0.30066937175115394	--
Acacia nilotica	Plant				--
Aconitum napellus	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Acorus calamus	Plant				--
Aframomum melegueta	Fruit				Wealth of India.
Agave americana	Plant				--
Allium cepa	Leaf				Gad, S. S., Esmat El-Zalaki, M., Hohamed, M. S., Mohasseb, S. Z. 1982. Oxalate Content of Some Leafy Vegetables and Dry Legumes Consumed Widely in Egypt. Food Chem., 8(3): 169-177. (Coll. Agric. Alexandria Univ. Ale.)
Allium schoenoprasum	Plant				Pakistan Encyclopedia Planta Medica. 1986.
Allium cepa	Bulb		10.0		--
Allium ampeloprasum	Plant				--
Alocasia macrorrhiza	Plant				--
Anacardium occidentale	Seed		3184.0	-0.025633807973314167	--
Ananas comosus	Fruit	50.0	58.0	-0.3031507791033899	--
Angelica archangelica	Plant				Pakistan Encyclopedia Planta Medica. 1986.
Apium graveolens	Plant				Pakistan Encyclopedia Planta Medica. 1986.
Arctostaphylos uva-ursi	Leaf				--
Avena sativa	Plant		400.0	-0.5323291024119612	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Averrhoa carambola	Fruit	50000.0	95800.0	4.976291503513891	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Benincasa hispida	Fruit		34.0	-0.3044741963579158	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Beta vulgaris	Root		404.0	-0.40279401570173323	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
Brassica juncea	Leaf		1287.0	-0.43841505748050075	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
Brassica oleracea var. capitata l.	Leaf	30.0	350.0	-0.46587265245095044	--
Brassica oleracea var. botrytis l.	Plant		68.0	-0.5351320075910592	--
Byrsonima crassifolia	Bark		27300.0		Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Camellia sinensis	Leaf	2192.0	10000.0	-0.18309165835827215	--
Capparis spinosa	Plant				--
Capsella bursa-pastoris	Plant				--
Capsicum frutescens	Fruit				--
Capsicum annuum	Fruit	257.0	1171.0	-0.24177730392475322	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
Chenopodium album	Plant	140000.0	300000.0	1.9970395471595714	--
Cicer arietinum	Seed		24.0	-0.6702186875144752	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
Cinnamomum verum	Bark				--
Citrus paradisi	Plant				--
Citrus aurantiifolia	Fruit				--
Citrus sinensis	Fruit		87.0	-0.3015516499208378	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Citrus reticulata	Fruit				--
Coffea arabica	Fruit		154.0	-0.2978571100852865	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
Colocasia esculenta	Root		1334.0	0.19298878287100935	--
Coriandrum sativum	Fruit		120.0	-0.29973195119586477	--
Coriandrum sativum	Leaf		50.0	-0.4746637714382876	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
Crataegus rhipidophylla	Bark				--
Crataegus rhipidophylla	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Crataegus laevigata	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Crataegus laevigata	Bark				--
Cucurbita pepo	Juice		400.0		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Daucus carota	Root		56.0	-0.6257320951676627	--
Ephedra sinica	Shoot				Jim Duke's personal files.
Equisetum arvense	Plant				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Eucalyptus citriodora	Bark				--
Fagopyrum esculentum	Leaf		111000.0	2.7765850673785675	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Ficus carica	Fruit				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Ficus carica	Fruit Juice				Shiraishi, S. C., Kawakami, K., Widodo, S. E., Shiraishi, M., Kitazaki, M. 1996. Organic acid profiles in the juice of fig fruits. Journal of the Faculty of Agriculture Kyushu University, 41(1-2): 29-33.
Glycine max	Seed		770.0	-0.5180477001291252	--
Glycine max	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Glycyrrhiza glabra	Plant				--
Haematoxylum campechianum	Wood				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Hibiscus sabdariffa	Flower				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Ipomoea batatas	Root		1000.0	-0.020980523283072386	--
Juniperus communis	Leaf				--
Kalanchoe daegrimontiana	Plant				--
Kalanchoe pinnata	Plant				Tramil
Lactuca scariola	Latex Exudate				--
Lactuca sativa	Leaf	110.0	136.0	-0.4721436506619176	--
Lactuca virosa	Latex Exudate		10000.0		--
Ledum palustre	Plant				--
Lens culinaris	Seed		212.0	-0.6318699668329124	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
Lupinus albus	Seed				--
Lycopersicon esculentum	Fruit	36.0	263.0	-0.29184659005431485	--
Malus domestica	Plant				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Mangifera indica	Fruit		300.0	-0.28980632178692084	--
Manihot esculenta	Root		171.0	-0.5520600286774848	--
Medicago sativa	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Mentha spicata	Leaf		38.0	-0.4750154161977811	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
Momordica charantia	Fruit		5.0	-0.30607332554046784	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
Moringa oleifera	Leaf		1010.0	-0.4465321906788087	--
Moringa oleifera	Fruit		1010.0	-0.25065522800719753	--
Morus alba	Leaf				--
Murraya sp	Fruit	22.0	5240.0	-0.01740293689701496	--
Murraya koenigii	Leaf		1320.0	-0.43744803439189367	=ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp
Musa x paradisiaca	Leaf				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.
Musa x paradisiaca	Fruit	22.0	5240.0	-0.01740293689701496	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
Nicotiana tabacum	Leaf				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Opuntia ficus-indica	Fruit				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Oryza sativa	Seed		46.0	-0.665731071264505	--
Papaver somniferum	Seed		16200.0	2.629403151554455	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Parthenocissus quinquefolia	Fruit		20000.0	0.796498674636388	--
Pastinaca sativa	Root		205.0	-0.5302787220629975	--
Phaseolus vulgaris	Fruit		312.0	-0.2891446131596579	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
Phoenix dactylifera	Seed				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Physalis ixocarpa	Fruit	109.0	536.0	-0.27679271878408324	--
Piper betel	Leaf				--
Piper nigrum	Fruit	4000.0	34000.0	1.5684920731098055	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Piper methysticum	Root				Madaus, G. 1976. Lehrbuch der Biologischen Hilfsmittel. Vol., 1-3. 2862 pp. (+ 144 p. index). Georg Olms Verlag, Hildesheim. Reprint of 1938 Madaus.
Pisum sativum	Fruit		60.0	-0.30304049433217944	--
Plantago psyllium	Seed				--
Plectranthus amboinicus	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Polygonum hydropiperoides	Plant				--
Portulaca oleracea	Plant	1679.0	16790.0	-0.3939567654076973	--
Prunus dulcis	Seed		4073.0	0.1557066850368414	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
Prunus persica	Hh		10.0		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Prunus persica	Plant		10.0	-0.5356216717488533	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Psidium guajava	Fruit		140.0	-0.2986291034837599	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Punica granatum	Fruit		140.0	-0.2986291034837599	--
Raphanus sativus	Root		92.0	-0.6026695352229113	--
Rheum rhabarbarum	Pt	4400.0	13360.0		--
Rheum officinale	Rhizome				--
Rheum rhabarbarum	Leaf	3000.0	11000.0	-0.15378792840048167	--
Ribes rubrum	Fruit				--
Ribes nigrum	Fruit		200.0	-0.29532056034744525	--
Ribes uva-crispa	Fruit				--
Rubus fruticosus	Leaf				--
Rumex acetosa	Leaf		3000.0	-0.3882177680628056	--
Rumex crispus	Root				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Rumex crispus	Leaf	5170.0	6970.0	-0.27188196013037735	--
Rumex acetosella	Plant				--
Salvia officinalis	Plant				--
Sambucus nigra	Fruit		410.0	-0.283740659370344	--
Sechium edule	Fruit		340.0	-0.28760062636271105	--
Sesamum indicum	Seed				--
Sinapis alba	Seed				--
Solanum tuberosum	Tuber		150.0		--
Solanum melongena	Fruit		291.0	-0.290302603257368	--
Sophora pachycarpa	Leaf				--
Spinacia oleracea	Leaf	5000.0	93900.0	2.2754912851003497	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Stellaria media</i>	Shoot	2950.0	4330.0		--
<i>Syzygium cumini</i>	Fruit				Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
<i>Tamarindus indica</i>	Leaf	1000.0	1960.0	-0.4186936472189077	--
<i>Tamarindus indica</i>	Fruit				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Taraxacum officinale</i>	Leaf		1700.0	-0.42631261700793327	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.
<i>Terminalia chebula</i>	Bark				Bharadwaj, K., Chandra, V. 1983. Comparative Incidence of Calcium Oxalate as a Source of Oxalic Acid in Barks of Seven Species of Terminalia. Biol. Mem. 8 1/2: 54-62.
<i>Terminalia catappa</i>	Bark				Bharadwaj, K., Chandra, V. 1983. Comparative Incidence of Calcium Oxalate as a Source of Oxalic Acid in Barks of Seven Species of Terminalia. Biol. Mem. 8 1/2: 54-62.
<i>Terminalia arjuna</i>	Bark				Bharadwaj, K., Chandra, V. 1983. Comparative Incidence of Calcium Oxalate as a Source of Oxalic Acid in Barks of Seven Species of Terminalia. Biol. Mem. 8 1/2: 54-62.
<i>Terminalia bellirica</i>	Bark				Bharadwaj, K., Chandra, V. 1983. Comparative Incidence of Calcium Oxalate as a Source of Oxalic Acid in Barks of Seven Species of Terminalia. Biol. Mem. 8 1/2: 54-62.
<i>Terminalia bellirica</i>	Fruit				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Theobroma cacao</i>	Seed	1520.0	5000.0	0.3447985152060364	--
<i>Trichosanthes anguina</i>	Fruit	10.0	340.0	-0.28760062636271105	--
<i>Trifolium pratense</i>	Plant				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Trigonella foenum-graecum	Leaf				--
Triticum aestivum	Fruit		111.0	-0.300228232666312	--
Tropaeolum majus	Shoot				--
Tulipa gesneriana	Bulb				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Urtica dioica	Plant				--
Vaccinium myrtillus	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Vaccinium macrocarpon	Fruit				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Vanilla planifolia	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Viburnum prunifolium	Root Bark				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Vicia faba	Fruit	10.0	70.0	-0.302489070476127	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Vigna mungo	Seed		278.0	-0.6184071180830021	--
Vitis vinifera	Fruit		34.0	-0.3044741963579158	--
Zea mays	Fruit		99.0	-0.3008899412935749	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
Zingiber officinale	Root		5000.0	2.5415261372448525	--
Zingiber officinale	Rhizome		5000.0		--