

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for OXALIC-ACID

Plant	Part	Low PPM	High PPM	StdDev	Reference
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.
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.
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.
Zingiber officinale	Root		5000.0	2.5415261372448525	--
Spinacia oleracea	Leaf	5000.0	93900.0	2.2754912851003497	--
Chenopodium album	Plant	140000.0	300000.0	1.9970395471595714	--
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.
Parthenocissus quinquefolia	Fruit		20000.0	0.796498674636388	--
Theobroma cacao	Seed	1520.0	5000.0	0.3447985152060364	--
Colocasia esculenta	Root		1334.0	0.19298878287100935	--
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.
Murraya sp	Fruit	22.0	5240.0	-0.01740293689701496	--
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.
Ipomoea batatas	Root		1000.0	-0.020980523283072386	--
Anacardium occidentale	Seed		3184.0	-0.025633807973314167	--
Rheum rhabarbarum	Leaf	3000.0	11000.0	-0.15378792840048167	--
Camellia sinensis	Leaf	2192.0	10000.0	-0.18309165835827215	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
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.
Moringa oleifera	Fruit		1010.0	-0.25065522800719753	--
Rumex crispus	Leaf	5170.0	6970.0	-0.27188196013037735	--
Physalis ixocarpa	Fruit	109.0	536.0	-0.27679271878408324	--
Sambucus nigra	Fruit		410.0	-0.283740659370344	--
Sechium edule	Fruit		340.0	-0.28760062636271105	--
Trichosanthes anguina	Fruit	10.0	340.0	-0.28760062636271105	--
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.
Mangifera indica	Fruit		300.0	-0.28980632178692084	--
Solanum melongena	Fruit		291.0	-0.290302603257368	--
Lycopersicon esculentum	Fruit	36.0	263.0	-0.29184659005431485	--
Ribes nigrum	Fruit		200.0	-0.29532056034744525	--
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.
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	--
Coriandrum sativum	Fruit		120.0	-0.29973195119586477	--
Triticum aestivum	Fruit		111.0	-0.300228232666312	--
Abelmoschus esculentus	Fruit	8.0	103.0	-0.30066937175115394	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
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.
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.
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.
Pisum sativum	Fruit		60.0	-0.30304049433217944	--
Ananas comosus	Fruit	50.0	58.0	-0.3031507791033899	--
Vitis vinifera	Fruit		34.0	-0.3044741963579158	--
Benincasa hispida	Fruit		34.0	-0.3044741963579158	--
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.
Rumex acetosa	Leaf		3000.0	-0.3882177680628056	--
Portulaca oleracea	Plant	1679.0	16790.0	-0.3939567654076973	--
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.
Tamarindus indica	Leaf	1000.0	1960.0	-0.4186936472189077	--
Taraxacum officinale	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.

Plant	Part	Low PPM	High PPM	StdDev	Reference
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
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.
Moringa oleifera	Leaf		1010.0	-0.4465321906788087	--
Brassica oleracea var. capitata l.	Leaf	30.0	350.0	-0.46587265245095044	--
Lactuca sativa	Leaf	110.0	136.0	-0.4721436506619176	--
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.
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.
Glycine max	Seed		770.0	-0.5180477001291252	--
Pastinaca sativa	Root		205.0	-0.5302787220629975	--
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.
Brassica oleracea var. botrytis l.	Plant		68.0	-0.5351320075910592	--
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.
Manihot esculenta	Root		171.0	-0.5520600286774848	--
Raphanus sativus	Root		92.0	-0.6026695352229113	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Vigna mungo	Seed		278.0	-0.6184071180830021	--
Daucus carota	Root		56.0	-0.6257320951676627	--
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.
Oryza sativa	Seed		46.0	-0.665731071264505	--
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.
Malus domestica	Plant				--
Opuntia ficus-indica	Fruit				--
Tropaeolum majus	Shoot				--
Ficus carica	Fruit				--
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.
Trifolium pratense	Plant				--
Tulipa gesneriana	Bulb				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Crataegus laevigata	Bark				--
Acorus calamus	Plant				--
Acacia nilotica	Plant				--
Sinapis alba	Seed				--
Rheum officinale	Rhizome				--
Vanilla planifolia	Fruit				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
Terminalia arjuna	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.
Salvia officinalis	Plant				--
Morus alba	Leaf				--
Plectranthus amboinicus	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Byrsonima crassifolia	Bark		27300.0		Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Stellaria media	Shoot	2950.0	4330.0		--
Crataegus rhipidophylla	Bark				--
Phoenix dactylifera	Seed				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Rheum rhabarbarum	Pt	4400.0	13360.0		--
Agave americana	Plant				--
Prunus persica	Hh		10.0		--
Terminalia bellirica	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.
Capparis spinosa	Plant				--
Ribes rubrum	Fruit				--
Zingiber officinale	Rhizome		5000.0		--
Sesamum indicum	Seed				--
Rumex acetosella	Plant				--
Apium graveolens	Plant				Pakistan Encyclopedia Planta Medica. 1986.

Plant	Part	Low PPM	High PPM	StdDev	Reference
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.)
Plantago psyllium	Seed				--
Terminalia chebula	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.
Kalanchoe daegrिमontiana	Plant				--
Capsicum frutescens	Fruit				--
Hibiscus sabdariffa	Flower				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Ledum palustre	Plant				--
Nicotiana tabacum	Leaf				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Solanum tuberosum	Tuber		150.0		--
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.
Syzygium cumini	Fruit				Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Allium schoenoprasum	Plant				Pakistan Encyclopedia Planta Medica. 1986.
Kalanchoe pinnata	Plant				Tramil
Cinnamomum verum	Bark				--
Sophora pachycarpa	Leaf				--
Capsella bursa-pastoris	Plant				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Rumex crispus	Root				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Vaccinium macrocarpon	Fruit				Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Tamarindus indica	Fruit				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Viburnum prunifolium	Root Bark				Leung, A. Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Aframomum melegueta	Fruit				Wealth of India.
Medicago sativa	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Juniperus communis	Leaf				--
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.
Arctostaphylos uva-ursi	Leaf				--
Glycyrrhiza glabra	Plant				--
Ribes uva-crispa	Fruit				--
Trigonella foenum-graecum	Leaf				--
Lactuca scariola	Latex Exudate				--
Equisetum arvense	Plant				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Rubus fruticosus	Leaf				--
Haematoxylum campechianum	Wood				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Citrus reticulata	Fruit				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Terminalia catappa	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.
Lactuca virosa	Latex Exudate		10000.0		--
Aconitum napellus	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Glycine max	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Lupinus albus	Seed				--
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.
Ephedra sinica	Shoot				Jim Duke's personal files.
Citrus aurantiifolia	Fruit				--
Citrus paradisi	Plant				--
Terminalia bellirica	Fruit				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Crataegus laevigata	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Alocasia macrorrhiza	Plant				--
Crataegus rhipidophylla	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Allium cepa	Bulb		10.0		--
Angelica archangelica	Plant				Pakistan Encyclopedia Planta Medica. 1986.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Vaccinium myrtillus	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Polygonum hydropiperoides	Plant				--
Allium ampeloprasum	Plant				--
Piper betel	Leaf				--
Urtica dioica	Plant				--
Eucalyptus citriodora	Bark				--