

Dr. Duke's Phytochemical and Ethnobotanical Database

List of Plants for OXALIC-ACID

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Abelmoschus esculentus</i>	Fruit	8	103	-0.30066937175115394	--
<i>Acacia nilotica</i>	Plant	--	--		--
<i>Aconitum napellus</i>	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Acorus calamus</i>	Plant	--	--		--
<i>Aframomum melegueta</i>	Fruit	--	--		Wealth of India.
<i>Agave americana</i>	Plant	--	--		--
<i>Allium ampeloprasum</i>	Plant	--	--		--
<i>Allium cepa</i>	Bulb	10	10		--
<i>Allium cepa</i>	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.)
<i>Allium schoenoprasum</i>	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
<i>Alocasia macrorrhiza</i>	Plant	--	--		--
<i>Anacardium occidentale</i>	Seed	3184	3184	-0.025633807973314167	--
<i>Ananas comosus</i>	Fruit	50	58	-0.3031507791033899	--
<i>Angelica archangelica</i>	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
<i>Apium graveolens</i>	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Arctostaphylos uva-ursi</i>	Leaf	--	--		--
<i>Avena sativa</i>	Plant	400	400	-0.5323291024119612	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Averrhoa carambola</i>	Fruit	50000	95800	4.976291503513891	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
<i>Benincasa hispida</i>	Fruit	34	34	-0.3044741963579158	--
<i>Beta vulgaris</i>	Root	3000	15000	-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.
<i>Brassica juncea</i>	Leaf	1287	1287	-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.
<i>Brassica oleracea</i> var. <i>botrytis</i> L.	Plant	--	68	-0.5351320075910592	--
<i>Brassica oleracea</i> var. <i>capitata</i> L.	Leaf	30	350	-0.46587265245095044	--
<i>Byrsonima crassifolia</i>	Bark	27300	27300		Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
<i>Camellia sinensis</i>	Leaf	2192	10000	-0.18309165835827215	--
<i>Capparis spinosa</i>	Plant	--	--		--
<i>Capsella bursa-pastoris</i>	Plant	--	--		--
<i>Capsicum annuum</i>	Fruit	257	1171	-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.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Capsicum frutescens</i>	Fruit	--	--		--
<i>Chenopodium album</i>	Plant	140000	300000	1.9970395471595714	--
<i>Cicer arietinum</i>	Seed	24	24	-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.
<i>Cinnamomum verum</i>	Bark	--	--		--
<i>Citrus aurantiifolia</i>	Fruit	--	--		--
<i>Citrus paradisi</i>	Plant	--	--		--
<i>Citrus reticulata</i>	Fruit	--	--		--
<i>Citrus sinensis</i>	Fruit	87	87	-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.
<i>Coffea arabica</i>	Fruit	154	154	-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.
<i>Colocasia esculenta</i>	Root	1334	1334	0.19298878287100935	--
<i>Coriandrum sativum</i>	Leaf	50	50	-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.
<i>Coriandrum sativum</i>	Fruit	--	120	-0.29973195119586477	--
<i>Crataegus laevigata</i>	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Crataegus laevigata</i>	Bark	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Crataegus rhipidophylla</i>	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Crataegus rhipidophylla</i>	Bark	--	--		--
<i>Cucurbita pepo</i>	Juice	400	400		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Daucus carota</i>	Root	56	56	-0.6257320951676627	--
<i>Ephedra sinica</i>	Shoot	--	--		Jim Duke's personal files.
<i>Equisetum arvense</i>	Plant	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Eucalyptus citriodora</i>	Bark	--	--		--
<i>Fagopyrum esculentum</i>	Leaf	111000	111000	2.7765850673785675	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Ficus carica</i>	Fruit	--	--		--
<i>Ficus carica</i>	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.
<i>Glycine max</i>	Root	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Glycine max</i>	Seed	770	770	-0.5180477001291252	--
<i>Glycyrrhiza glabra</i>	Plant	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Haematoxylum campechianum</i>	Wood	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Hibiscus sabdariffa</i>	Flower	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Ipomoea batatas</i>	Root	1000	1000	-0.020980523283072386	--
<i>Juniperus communis</i>	Leaf	--	--		--
<i>Kalanchoe daegrimontiana</i>	Plant	--	--		--
<i>Kalanchoe pinnata</i>	Plant	--	--		Tramil
<i>Lactuca sativa</i>	Leaf	110	136	-0.4721436506619176	--
<i>Lactuca scariola</i>	Latex Exudate	--	--		--
<i>Lactuca virosa</i>	Latex Exudate	10000	10000		--
<i>Ledum palustre</i>	Plant	--	--		--
<i>Lens culinaris</i>	Seed	212	212	-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.
<i>Lupinus albus</i>	Seed	--	--		--
<i>Lycopersicon esculentum</i>	Fruit	36	263	-0.29184659005431485	--
<i>Malus domestica</i>	Plant	--	--		--
<i>Mangifera indica</i>	Fruit	300	300	-0.28980632178692084	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Manihot esculenta	Root	171	171	-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	38	-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	5	-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	Fruit	1010	1010	-0.25065522800719753	--
Moringa oleifera	Leaf	1010	1010	-0.4465321906788087	--
Morus alba	Leaf	--	--		--
Murraya koenigii	Leaf	--	1320	-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
Murraya sp	Fruit	22	5240	-0.01740293689701496	--
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	5240	-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.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Opuntia ficus-indica</i>	Fruit	--	--		--
<i>Oryza sativa</i>	Seed	46	46	-0.665731071264505	--
<i>Papaver somniferum</i>	Seed	16200	16200	2.629403151554455	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Parthenocissus quinquefolia</i>	Fruit	--	20000	0.796498674636388	--
<i>Pastinaca sativa</i>	Root	205	205	-0.5302787220629975	--
<i>Phaseolus vulgaris</i>	Fruit	312	312	-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.
<i>Phoenix dactylifera</i>	Seed	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Physalis ixocarpa</i>	Fruit	109	536	-0.27679271878408324	--
<i>Piper betel</i>	Leaf	--	--		--
<i>Piper methysticum</i>	Root	--	--		Madaus, G. 1976. Lehrbuch der Biologischen Hilfsmittel. Vol., 1-3. 2862 pp. (+ 144 p. index). Georg Olms Verlag, Hildesheim. Reprint of 1938 Madaus.
<i>Piper nigrum</i>	Fruit	4000	34000	1.5684920731098055	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Pisum sativum</i>	Fruit	60	60	-0.30304049433217944	--
<i>Plantago psyllium</i>	Seed	--	--		--
<i>Plectranthus amboinicus</i>	Leaf	--	--		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
Polygonum hydropiperoides	Plant	--	--		--
Portulaca oleracea	Plant	1679	16790	-0.3939567654076973	--
Prunus dulcis	Seed	4073	4073	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		--
Prunus persica	Plant	10	10	-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	140	-0.2986291034837599	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Punica granatum	Fruit	140	140	-0.2986291034837599	--
Raphanus sativus	Root	92	92	-0.6026695352229113	--
Rheum officinale	Rhizome	--	--		--
Rheum rhabarbarum	Leaf	3000	11000	-0.15378792840048167	--
Rheum rhabarbarum	Pt	4400	13360		--
Ribes nigrum	Fruit	200	200	-0.29532056034744525	--
Ribes rubrum	Fruit	--	--		--
Ribes uva-crispa	Fruit	--	--		--
Rubus fruticosus	Leaf	--	--		--
Rumex acetosa	Leaf	3000	3000	-0.3882177680628056	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Rumex acetosella	Plant	--	--		--
Rumex crispus	Root	--	--		Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Rumex crispus	Leaf	5170	6970	-0.27188196013037735	--
Salvia officinalis	Plant	--	--		--
Sambucus nigra	Fruit	--	410	-0.283740659370344	--
Sechium edule	Fruit	340	340	-0.28760062636271105	--
Sesamum indicum	Seed	--	--		--
Sinapis alba	Seed	--	--		--
Solanum melongena	Fruit	291	291	-0.290302603257368	--
Solanum tuberosum	Tuber	150	150		--
Sophora pachycarpa	Leaf	--	--		--
Spinacia oleracea	Leaf	5000	93900	2.2754912851003497	--
Stellaria media	Shoot	2950	4330		--
Syzygium cumini	Fruit	--	--		Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Tamarindus indica	Fruit	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Tamarindus indica	Leaf	1000	1960	-0.4186936472189077	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Taraxacum officinale	Leaf	--	1700	-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.
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.
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.
Terminalia bellirica	Fruit	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
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.
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.
Theobroma cacao	Seed	1520	5000	0.3447985152060364	--
Trichosanthes anguina	Fruit	10	340	-0.28760062636271105	--
Trifolium pratense	Plant	--	--		--
Trigonella foenum-graecum	Leaf	--	--		--
Triticum aestivum	Fruit	111	111	-0.300228232666312	--
Tropaeolum majus	Shoot	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Tulipa gesneriana</i>	Bulb	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Urtica dioica</i>	Plant	--	--		--
<i>Vaccinium macrocarpon</i>	Fruit	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
<i>Vaccinium myrtillus</i>	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Vanilla planifolia</i>	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Viburnum prunifolium</i>	Root Bark	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
<i>Vicia faba</i>	Fruit	10	70	-0.302489070476127	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Vigna mungo</i>	Seed	278	278	-0.6184071180830021	--
<i>Vitis vinifera</i>	Fruit	34	34	-0.3044741963579158	--
<i>Zea mays</i>	Fruit	99	99	-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.
<i>Zingiber officinale</i>	Rhizome	--	5000		--
<i>Zingiber officinale</i>	Root	--	5000	2.5415261372448525	--