

**Dr. Duke's Phytochemical and Ethnobotanical Databases**

**List of Plants for CALCIUM**

Plant	Part	Low PPM	High PPM	StdDev	Reference
Albizia lebeck	Leaf	10100.0	104000.0	5.846305979214756	Wealth of India.
Vigna mungo	Fruit		27100.0	5.363728024218889	--
Broussonetia papyrifera	Fruit		26900.0	5.317575949569242	--
Vicia faba	Seed	220.0	31160.0	4.961258926447746	USDA's Ag Handbook 8 and sequelae)
Achyranthes bidentata	Root	1130.0	52200.0	4.906101246807924	--
Ephedra nevadensis	Plant	4500.0	58100.0	4.761149092670062	--
Cucurbita foetidissima	Leaf		77600.0	4.04245614099012	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Valeriana officinalis	Root	4956.0	42000.0	3.7890171974850206	--
Vigna aconitifolia	Fruit		20100.0	3.7484054114812064	--
Paeonia lactiflora	Root	10300.0	40600.0	3.635691935813249	--
Plantago major	Seed	7020.0	23400.0	3.536073250184055	--
Vanilla planifolia	Fruit		19000.0	3.494569000908142	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Rubia cordifolia	Root		37800.0	3.3290414124697065	--
Phaseolus vulgaris	Fruit	356.0	18000.0	3.2638086276599014	--
Anethum graveolens	Fruit	14003.0	17671.0	3.1878884648612305	--
Apium graveolens	Seed	170.0	20776.0	3.054154794705198	--
Trachyspermum ammi	Fruit	15250.0	16469.0	2.9105144962168454	--
Lycopersicon esculentum	Leaf		60800.0	2.894551698483533	--
Mimulus glabratus	Shoot	5430.0	54300.0	2.886974542126525	--
Robinia pseudoacacia	Seed		19000.0	2.7279782791067038	--
Boehmeria nivea	Plant	36000.0	39000.0	2.718086696820638	--
Cuminum cyminum	Fruit	9310.0	15511.0	2.6894460586450313	--
Cassia tora	Sprout Seedling		28100.0	2.6148841826288662	--
Oenothera biennis	Seed	12700.0	18000.0	2.5443203311345783	--
Liquidambar styraciflua	Stem	2400.0	42000.0	2.5214630013143755	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Luffa aegyptiaca</i>	Leaf	560.0	55000.0	2.498251355237212	--
<i>Anethum graveolens</i>	Seed	14003.0	17671.0	2.483896866251749	--
<i>Brassica oleracea</i> var. <i>botrytis</i> l.	Leaf	360.0	54247.0	2.4468006382605774	--
<i>Brassica oleracea</i> var. <i>italica</i>	Leaf	360.0	54247.0	2.4468006382605774	--
<i>Prunella vulgaris</i>	Flower		14500.0	2.4150187558231133	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), <i>Kaohsiung J. Med. Sci.</i> , 4: 259-272.
<i>Amaranthus spinosus</i>	Leaf	4760.0	53335.0	2.3844858256673627	--
<i>Amaranthus</i> sp.	Leaf	1559.0	53333.0	2.384349170376588	--
<i>Citrus mitis</i>	Fruit	1400.0	14000.0	2.34076713466694	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
<i>Foeniculum vulgare</i>	Fruit	880.0	13941.0	2.327152272645294	--
<i>Boehmeria nivea</i>	Shoot	4500.0	46000.0	2.2812564083055866	--
<i>Limonia acidissima</i>	Seed	15800.0	16460.0	2.261487091257506	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
<i>Papaver somniferum</i>	Seed	13807.0	16214.0	2.216307236056363	--
<i>Lycium chinense</i>	Root Bark		53900.0	2.196634405558688	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), <i>Kaohsiung J. Med. Sci.</i> , 4: 259-272.
<i>Cuminum cyminum</i>	Seed	9310.0	15511.0	2.087195698631959	--
<i>Trifolium pratense</i>	Flower	2358.0	13100.0	2.0277064932464137	--
<i>Drynaria fortunei</i>	Rhizome		16000.0	1.9755753619705902	--
<i>Arachis hypogaea</i>	Plant	9300.0	31500.0	1.9158370649425922	--
<i>Fraxinus rhynchophylla</i>	Bark		38600.0	1.9047146400469648	--
<i>Coriandrum sativum</i>	Seed	6465.0	14469.0	1.8958241168450043	--
<i>Carya glabra</i>	Shoot	3800.0	40700.0	1.8944725397211326	--
<i>Vigna unguiculata</i>	Seed	253.0	14400.0	1.8831517184349278	--
<i>Vaccinium macrocarpon</i>	Fruit	1440.0	12000.0	1.8792463881704582	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Sinomenium acutum	Rhizome		15400.0	1.8449495558091702	--
Polygonum multiflorum	Rhizome		15300.0	1.8231785881156002	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
Pinellia ternata	Tuber	4180.0	10000.0	1.8047582353527853	--
Fucus vesiculosus	Plant	3587.0	30400.0	1.798173785600479	--
Euodia rutaecarpa	Fruit		11600.0	1.786942238871162	--
Glycyrrhiza uralensis	Root	6850.0	23500.0	1.7629333825366154	--
Justicia pectoralis	Leaf	6630.0	44200.0	1.7603127850544058	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Peucedanum decursivum	Plant	14400.0	30000.0	1.755387138566983	--
Quercus alba	Bark	8436.0	37000.0	1.7517846719880772	--
Nelumbo nucifera	Seed	590.0	13333.0	1.6871886879486702	--
Helianthus tuberosus	Tuber	140.0	9600.0	1.686845136728985	--
Citrus paradisi	Fruit	117.0	11000.0	1.6484860149222178	--
Foeniculum vulgare	Seed	1415.0	13100.0	1.644396386071165	--
Taraxacum officinale	Leaf	1870.0	42232.0	1.6258439789322057	--
Albizia julibrissin	Bark		35500.0	1.60841282693287	--
Plectranthus amboinicus	Leaf	2320.0	41430.0	1.5710452073315937	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Sesamum indicum	Seed	800.0	12638.0	1.559546414108043	--
Raphanus sativus	Fruit	260.0	10130.0	1.4477244901962487	--
Quercus stellata	Stem	5750.0	31920.0	1.4285218250835043	--
Cucumis sativus	Fruit	129.0	10000.0	1.4177256416739774	--
Tetrapanax papyrifera	Pith		18300.0	1.411124921128867	--
Agathosma betulina	Leaf		38800.0	1.391343499963003	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Barosma betulina	Leaf		38800.0	1.391343499963003	--
Cassia tora	Seed		11700.0	1.3872752589101898	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Bupleurum chinense	Root	2200.0	20000.0	1.3796202283571877	--
Carya ovata	Shoot	5250.0	33300.0	1.35443468547114	--
Tabebuia heptaphylla	Bark	5836.0	32600.0	1.3312272598261359	--
Colubrina texensis	Shoot		32900.0	1.3252434501062755	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Syzygium aromaticum	Fruit	6460.0	9540.0	1.3115758699797868	--
Aframomum melegueta	Fruit	750.0	9500.0	1.3023454550498572	--
Berberis vulgaris	Root		19100.0	1.281053988711049	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Trichosanthes anguina	Fruit	500.0	9260.0	1.2469629654702794	--
Juniperus virginiana	Shoot	7980.0	31680.0	1.2362101822434388	--
Sophora subprostrata	Root		18600.0	1.2262949666854164	--
Rheum palmatum	Rhizome	9630.0	12400.0	1.1918205250020704	--
Nigella sativa	Seed		10600.0	1.185251516140852	--
Valerianella radicata	Plant	19884.0	24463.0	1.1631129770058177	--
Allium sativum var. sativum	Bulb	130.0	4947.0	1.1604999014541306	--
Prunus persica	Fruit	18.0	8850.0	1.152351212438501	--
Vigna aconitifolia	Plant	23400.0	23700.0	1.0814974477894244	--
Acalypha indica	Leaf	6670.0	34205.0	1.0773779694083743	Wealth of India.
Malva parviflora	Plant	3120.0	23650.0	1.0761491169102375	--
Origanum majorana	Plant	17925.0	23625.0	1.073474951470644	USDA's Ag Handbook 8 and sequelae)
Juniperus communis	Fruit	2632.0	8490.0	1.0692774780691343	--
Satureja hortensis	Plant		23429.0	1.052509494424231	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Chenopodium album	Leaf	3090.0	33800.0	1.049705273026519	--
Oenothera biennis	Plant	12100.0	23400.0	1.0494074625143026	--
Syzygium aromaticum	Flower	6460.0	9540.0	1.0428267398370916	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Tribulus terrestris	Leaf		33500.0	1.02920697941033	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Cypripedium pubescens	Root		16800.0	1.0291624873931393	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Myristica fragrans	Aril		2400.0	1.0290157581919714	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Atractylodes ovata	Rhizome	5800.0	11600.0	1.01765278345351	--
Anemarrhena asphodeloides	Rhizome	10900.0	11600.0	1.01765278345351	--
Nardostachys chinensis	Rhizome		11600.0	1.01765278345351	--
Glechoma hederacea	Plant	21000.0	23000.0	1.0066208154808067	Chem. & Pharm. Bull. 38: 2205.
Chrysanthemum coronarium	Bud	560.0	7525.0	1.0	--
Juglans nigra	Hull Husk		3090.0	1.0	--
Nasturtium officinale	Herb	1200.0	24000.0	1.0	--
Carum carvi	Fruit	6426.0	8160.0	0.993126554897215	--
Abelmoschus esculentus	Fruit	810.0	8100.0	0.9792809325023206	USDA's Ag Handbook 8 and sequelae)
Rosa canina	Fruit	1515.0	8100.0	0.9792809325023206	--
Physalis angulata	Fruit	810.0	8100.0	0.9792809325023206	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Isatis tinctoria	Root		16300.0	0.9744034653675068	--
Prunus serotina	Leaf	4060.0	32640.0	0.9704452043772547	--
Pulsatilla chinensis	Root		16200.0	0.9634516609623802	--
Thymus vulgaris	Plant	16935.0	22534.0	0.9567743716867843	USDA's Ag Handbook 8 and sequelae)
Pimenta dioica	Fruit	7224.0	8000.0	0.9562048951774965	--
Apium graveolens	Fruit	1680.0	8000.0	0.9562048951774965	--
Atractylodes lancea	Rhizome		11300.0	0.9523398803728	--
Quercus alba	Stem	4600.0	27360.0	0.9340960548838247	--
Acacia tortilis	Fruit		7900.0	0.9331288578526725	--
Pimpinella anisum	Fruit	7138.0	7843.0	0.9199755165775227	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Ficus carica	Leaf		31600.0	0.899384453174466	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Ocimum tenuiflorum	Leaf		31500.0	0.8925516886357363	=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
Celosia cristata	Flower		8910.0	0.8685362216775767	--
Rosa laevigata	Fruit		7620.0	0.8685159533431651	--
Anethum graveolens	Plant	1900.0	21453.0	0.8411434580787619	--
Rubus chingii	Fruit		7490.0	0.8385171048208939	--
Phaseolus lunatus	Seed	250.0	8600.0	0.8179356201966016	--
Calendula officinalis	Leaf		30400.0	0.8173912787097098	--
Psophocarpus tetragonolobus	Seed	567.0	8586.0	0.8153644089249918	--
Anogeissus latifolia	Leaf		30300.0	0.8105585141709801	--
Taraxacum officinale	Plant	12000.0	21000.0	0.7926875803133279	Chem. & Pharm. Bull. 38: 2205.
Murraya koenigii	Leaf	8100.0	30035.0	0.7924516881433465	--
Dipsacus fullonum	Plant		20900.0	0.781990918554954	--
Solanum torvum	Fruit	1040.0	7125.0	0.7542895685852862	--
Petasites japonicus	Pt	1030.0	18725.0	0.7484589275751646	USDA's Ag Handbook 8 and sequelae)
Mangifera indica	Leaf	290.0	29300.0	0.7422308687836834	--
Carum carvi	Seed	1530.0	8160.0	0.7371261230888665	--
Urtica dioica	Leaf	5800.0	29000.0	0.7217325751674943	--
Musa x paradisiaca	Sprout Seedling		11600.0	0.6890857085449396	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Citrus medica	Fruit		6840.0	0.6885228622095376	--
Pimpinella anisum	Seed	6460.0	7843.0	0.6789065535817028	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Rheum rhabarbarum	Pt	600.0	18462.0	0.664932181626536	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Rhus glabra	Stem	2520.0	24790.0	0.6554394256265491	--
Cucurbita pepo	Flower	390.0	8041.0	0.6281259672638968	USDA's Ag Handbook 8 and sequelae)
Magnolia denudata	Flower		8040.0	0.6278493156477706	--
Magnolia fargesii	Flower		8040.0	0.6278493156477706	--
Magnolia kobus	Flower		8040.0	0.6278493156477706	--
Limonia acidissima	Fruit	1300.0	6540.0	0.6192947502350655	--
Cimicifuga dahurica	Rhizome		9750.0	0.6148898811224651	--
Actaea dahurica	Rhizome		9750.0	0.6148898811224651	Suzuki, A., Morimoto, I., and Okitsu, T., Elution of Metals from Crude Drugs, Shoykugaku Zasshi 36(3):190-195.
Morus alba	Leaf	7000.0	27400.0	0.6124083425478194	--
Acacia catechu	Leaf		27400.0	0.6124083425478194	--
Senna occidentalis	Seed		7450.0	0.6067289800286576	--
Asiasarum heterotropoides	Root	7450.0	12900.0	0.6020421155932054	--
Asiasarum sieboldii	Root	7450.0	12900.0	0.6020421155932054	--
Hyoscyamus niger	Seed		7420.0	0.6012192415894938	--
Linum usitatissimum	Seed	1820.0	7400.0	0.5975460826300514	--
Trifolium pratense	Shoot	4800.0	22900.0	0.5954625659846638	--
Morus alba	Fruit	300.0	6400.0	0.5869882979803118	--
Vaccinium myrtillus	Fruit	510.0	6380.0	0.582373090515347	--
Equisetum arvense	Plant	4045.0	18900.0	0.5680576833874751	--
Ricinus communis	Leaf		26700.0	0.5645789907767117	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Chondrus crispus	Plant		18820.0	0.5595003539807759	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Origanum vulgare	Plant	14070.0	18794.0	0.5567192219235987	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Azadirachta indica	Leaf	16700.0	26500.0	0.5509134616992524	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Humulus lupulus	Fruit		6222.0	0.545912951542125	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Quercus rubra	Stem	5200.0	23760.0	0.5437599205156565	--
Senna alexandrina	Leaf	5339.0	26300.0	0.5372479326217929	--
Rauvolfia serpentina	Seed	3400.0	6900.0	0.5057171086439888	--
Zizyphus jujuba	Shoot	800.0	21600.0	0.5005910510488544	--
Melia azedarach	Leaf		25500.0	0.4825858163119555	--
Plantago asiatica	Plant		18000.0	0.4717877275621095	--
Viburnum opulus	Bark		23540.0	0.46526131569268436	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Lagenaria siceraria	Fruit	200.0	5830.0	0.4554548852288148	--
Quercus velutina	Stem	5040.0	22940.0	0.4548500232429071	--
Bactris gasipaes	Fruit	89.0	5820.0	0.4531472814963324	--
Senna obtusifolia	Seed	4100.0	6590.0	0.4487831447726299	--
Symphoricarpos orbiculatus	Stem	2584.0	22880.0	0.44834442100343763	--
Lonicera japonica	Flower		7390.0	0.4480257651657314	--
Rhus copallina	Leaf	3240.0	24960.0	0.44568888780281524	--
Cyphomandra betacea	Fruit	39.0	5780.0	0.4439168665664028	--
Schisandra chinensis	Fruit	864.0	5760.0	0.439301659101438	--
Capsella bursa-pastoris	Plant	2080.0	17627.0	0.4318891792033747	--
Eryngium floridanum	Shoot		20600.0	0.42761296263669324	--
Solanum melongena	Fruit	120.0	5706.0	0.426840598946033	--
Symphytum officinale	Root		11300.0	0.4268132451111813	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Vigna mungo	Plant		17400.0	0.40760775701186586	--
Muntingia calabura	Fruit	640.0	5615.0	0.4058414049804431	--
Citrus sinensis	Fruit	210.0	5615.0	0.4058414049804431	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Coccinia grandis</i>	Fruit	400.0	5600.0	0.4023799993817195	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Crataegus laevigata</i>	Fruit	1554.0	5570.0	0.3954571881842723	--
<i>Crataegus rhipidophylla</i>	Fruit		5570.0	0.3954571881842723	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Cyamopsis tetragonoloba</i>	Leaf		24200.0	0.3937598773084697	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Cyamopsis tetragonoloba</i>	Shoot	7430.0	19800.0	0.3692304919069643	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Mimosa pudica</i>	Leaf	350.0	23800.0	0.36642881915355097	--
<i>Carica papaya</i>	Leaf	3440.0	23800.0	0.36642881915355097	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Carthamus tinctorius</i>	Plant		17000.0	0.3648211099783701	--
<i>Ocimum basilicum</i>	Leaf	3200.0	23700.0	0.35959605461482125	--
<i>Geranium thunbergii</i>	Plant		16900.0	0.3541244482199961	--
<i>Taraxacum mongolicum</i>	Plant		16900.0	0.3541244482199961	--
<i>Cyrtosperma chamissonis</i>	Root	1450.0	10630.0	0.35343615559683367	--
<i>Mentha pulegium</i>	Plant	9440.0	16870.0	0.35091544969248395	--
<i>Petroselinum crispum</i>	Plant	1000.0	16850.0	0.34877611734080916	--
<i>Sida rhombifolia</i>	Leaf	4660.0	23535.0	0.3483219931259173	--
<i>Stachys officinalis</i>	Plant	2822.0	16800.0	0.3434277864616222	--
<i>Hibiscus sabdariffa</i>	Seed	3200.0	6000.0	0.3404249554690761	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Vigna aconitifolia</i>	Leaf		23400.0	0.3390977609986322	--
<i>Blighia sapida</i>	Aril	400.0	1950.0	0.32563789816201644	--
<i>Rhynchosia minima</i>	Shoot		19200.0	0.3254436388596676	--
<i>Canavalia ensiformis</i>	Fruit	330.0	5263.0	0.32461375359706246	--
<i>Scutellaria baicalensis</i>	Root	4630.0	10300.0	0.3172952010599162	--
<i>Sinapis alba</i>	Seed	4983.0	5850.0	0.3128762632732573	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Tamarindus indica	Leaf	1053.0	23000.0	0.3117667028437135	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Larrea tridentata	Plant	5396.0	16400.0	0.3006411394281264	--
Blechnum orientale	Rhizome		8280.0	0.29485665602698624	--
Nyssa sylvatica	Leaf	1950.0	22750.0	0.2946847914968893	--
Acacia tortilis	Leaf		22700.0	0.29126840922752445	--
Rumex crispus	Root	2570.0	10000.0	0.28443978784453666	--
Morinda sp	Root		10000.0	0.28443978784453666	--
Armoracia rusticana	Root	1800.0	10000.0	0.28443978784453666	--
Inula helenium	Root	2200.0	10000.0	0.28443978784453666	--
Rhus copallina	Stem	2450.0	21350.0	0.28245156389696613	--
Rosmarinus officinalis	Plant	3170.0	16150.0	0.2738994850321915	USDA's Ag Handbook 8 and sequelae)
Brassica chinensis	Leaf	1050.0	22440.0	0.2735032214268273	--
Brassica rapa	Leaf	1050.0	22440.0	0.2735032214268273	USDA's Ag Handbook 8 and sequelae)
Cynanchum atratum	Root		9900.0	0.27348798343941016	--
Acacia tortilis	Seed		5600.0	0.266961776280226	--
Chamaemelum nobile	Flower		6720.0	0.262669182361168	--
Piper nigrum	Fruit	2700.0	4989.0	0.26138541132704457	--
Lycopodium clavatum	Plant		16020.0	0.2599938247463054	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
Sophora angustifolia	Root	8750.0	9710.0	0.2526795550696698	--
Acacia farnesiana	Seed	3900.0	5500.0	0.24859598148301348	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Eriobotrya japonica	Leaf		21900.0	0.23660629291768703	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
Benincasa hispida	Fruit	170.0	4870.0	0.23392492691050396	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Spinacia oleracea	Plant	730.0	15700.0	0.2257645071195088	--
Vitis vinifera	Fruit	92.0	4774.0	0.2117719310786729	--
Arachis hypogaea	Leaf	2620.0	21500.0	0.2092752347627683	--
Equisetum hyemale	Plant		15500.0	0.2043711836027609	--
Ribes nigrum	Fruit	502.0	4720.0	0.1993108709232679	--
Inga edulis	Seed	1920.0	5230.0	0.19900833553053968	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Gardenia jasminoides	Fruit	2810.0	4710.0	0.1970032671907855	Suzuki, A., Morimoto, I., and Okitsu, T., Elution of Metals from Crude Drugs, Shoykugaku Zasshi 36(3):190-195.
Annona squamosa	Leaf		21200.0	0.18877694114657925	--
Amphicarpaea bracteata	Shoot		17300.0	0.1867852708765614	--
Serenoa repens	Fruit	605.0	4640.0	0.18085004106340866	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Cnidioscolus chayamansa	Leaf	2260.0	21050.0	0.17852779433848473	--
Terminalia catappa	Seed	320.0	5100.0	0.1751328022941634	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Chenopodium ambrosioides	Leaf	3000.0	21000.0	0.1751114120691199	--
Amomum xanthioides	Seed		5090.0	0.17329622281444215	--
Artemisia capillaris	Plant		15200.0	0.17228119832763905	--
Panicum maximum	Leaf	7100.0	20900.0	0.1682786475303902	--
Parthenium integrifolium	Root	1424.0	8900.0	0.16396993938814508	--
Prosopis juliflora	Leaf		20800.0	0.16144588299166054	--
Terminalia bellirica	Leaf		20800.0	0.16144588299166054	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Phaseolus vulgaris	Leaf	2740.0	20758.0	0.15857612188539408	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Spondias dulcis	Seed		5000.0	0.15676700749695088	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Bletilla striata	Tuber		4400.0	0.15397485461957927	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
Glycyrrhiza glabra	Root	1379.0	8780.0	0.15082777410199327	--
Myrciaria dubia	Fruit	270.0	4500.0	0.148543588808655	--
Coffea arabica	Leaf	19000.0	20406.0	0.1345247907090656	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Lepidium sativum	Leaf	810.0	20340.0	0.130015166113504	--
Raphanus sativus	Root	190.0	8570.0	0.1278289848512276	--
Humulus lupulus	Flower	1157.0	6220.0	0.12434337429806096	--
Forsythia suspensa	Fruit		4380.0	0.12085234401886616	--
Avena sativa	Seed	400.0	4800.0	0.12003541790252584	--
Allium cepa	Bulb	200.0	3008.0	0.11970003608893207	--
Momordica charantia	Fruit	130.0	4333.0	0.11000660647619885	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Ceiba pentandra	Seed	2300.0	4700.0	0.10166962310531331	--
Cichorium intybus	Leaf	790.0	19900.0	0.09995100214309341	--
Pueraria pseudohirsuta	Root	5330.0	8300.0	0.09825911295738601	--
Spondias dulcis	Fruit	560.0	4275.0	0.09662250482780091	--
Yucca baccata	Root	1718.0	8260.0	0.09387839119533542	--
Pisum sativum	Fruit	430.0	4253.0	0.09154577661633961	--
Phytelephas aequatorialis	Flower	1780.0	6095.0	0.0897619222822842	KOZIOL & PEDERSEN. 1993. PHYTELEPHAS AEQUATORIALIS(AREACEAE) IN HUMAN AND ANIMAL NUTRITION. ECON. BOT. 47:401-307.
Jussiaea repens	Plant		14400.0	0.08670790426064749	--
Zizyphus jujuba	Leaf		19700.0	0.08628547306563406	--
Citrus aurantium	Fruit	18.0	4230.0	0.08623828803163008	--
Ficus carica	Fruit	350.0	4228.0	0.0857767672851336	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Althaea officinalis</i>	Root	881.0	8160.0	0.08292658679020891	--
<i>Gentiana lutea</i>	Root	1791.0	8140.0	0.0807362259091836	--
<i>Bromelia pinguin</i>	Shoot	1070.0	15800.0	0.07731813825831965	--
<i>Avena sativa</i>	Plant	3146.0	14300.0	0.07601124250227355	--
<i>Brassica oleracea</i> var. <i>capitata</i> L.	Leaf	290.0	19500.0	0.07261994398817469	--
<i>Ribes uva-crispa</i>	Fruit	185.0	4122.0	0.06131616772082012	--
<i>Vigna unguiculata</i>	Fruit	500.0	4115.0	0.059700845108082434	USDA's Ag Handbook 8 and sequelae)
<i>Sonchus oleraceus</i>	Leaf	1310.0	19265.0	0.05656294732215994	--
<i>Pisum sativum</i>	Plant	10200.0	14100.0	0.054617918985525656	--
<i>Glycine max</i>	Seed	780.0	4440.0	0.05391855663256077	--
<i>Brassica oleracea</i> var. <i>viridis</i> L.	Leaf	1170.0	19180.0	0.050755097464239715	--
<i>Tropaeolum majus</i>	Shoot	2110.0	15400.0	0.04812690289345519	--
<i>Lactuca sativa</i>	Leaf	360.0	19140.0	0.04802199164874784	--
<i>Raphanus sativus</i>	Leaf	2380.0	19130.0	0.04733871519487487	--
<i>Eupatorium perfoliatum</i>	Plant	1260.0	14000.0	0.04392125722715171	--
<i>Petasites japonicus</i>	Plant	13000.0	14000.0	0.04392125722715171	Chem. & Pharm. Bull. 38: 2205.
<i>Berberis vulgaris</i>	Bark		19100.0	0.04088065432927098	--
<i>Echinacea</i> spp	Root	3290.0	7760.0	0.03911936916970287	Economic & Medicinal Plant Research, 5: 253.
<i>Amorphophallus campanulatus</i>	Shoot		15200.0	0.03353128521102296	--
<i>Luffa aegyptiaca</i>	Fruit	200.0	4000.0	0.033163402184534785	--
<i>Liquidambar styraciflua</i>	Leaf	3720.0	18860.0	0.028890250940304736	--
<i>Akebia quinata</i>	Stem		19000.0	0.027648809517745246	--
<i>Acorus calamus</i>	Rhizome		7040.0	0.024896656626718316	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), <i>Kaohsiung J. Med. Sci.</i> , 4: 259-272.
<i>Mentha spicata</i>	Plant	1990.0	13770.0	0.019318935182891635	--
<i>Annona glabra</i>	Fruit	520.0	3940.0	0.01931777978964036	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Plant	Part	Low PPM	High PPM	StdDev	Reference
Momordica charantia	Leaf	2640.0	18701.0	0.018026155323724542	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Solanum melongena	Leaf	2540.0	18676.0	0.016317964189042123	--
Panax japonicus	Rhizome		7000.0	0.016188269549290316	--
Gentiana scabra	Root		7490.0	0.009549497275861294	--
Elettaria cardamomum	Seed	3830.0	4177.0	0.005616516315891836	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Lablab purpureus	Seed	500.0	4122.0	-0.004484670822575049	--
Corchorus olitorius	Leaf	2080.0	18365.0	-0.004931933526407184	--
Arctium lappa	Root	1723.0	7330.0	-0.00797338977234112	--
Triticum aestivum	Seed	100.0	4100.0	-0.008525145677961804	--
Hordeum vulgare	Seed	160.0	4100.0	-0.008525145677961804	Jim Duke's personal files.*
Mentha arvensis var. piperascens	Plant		13500.0	-0.009562051564718019	Suzuki, A., Morimoto, I., and Okitsu, T., Elution of Metals from Crude Drugs, Shoykugaku Zasshi 36(3):190-195.
Balanites aegyptiacus	Fruit	1300.0	3800.0	-0.0129886724651133	--
Ruscus aculeatus	Root	2190.0	7250.0	-0.01673483329644233	--
Crataegus cuneata	Fruit		3770.0	-0.019911483662560514	--
Melilotus indica	Plant		13400.0	-0.020258713323091964	--
Turnera diffusa	Leaf	3801.0	18100.0	-0.023038759554040836	--
Symphytum officinale	Leaf	1980.0	18000.0	-0.029871524092770517	--
Spondias pinnata	Fruit	360.0	3710.0	-0.03375710605745494	--
Genipa americana	Fruit	400.0	3700.0	-0.036064709789937345	--
Pouteria caimito	Fruit	220.0	3700.0	-0.036064709789937345	--
Ipomoea batatas	Leaf	370.0	17900.0	-0.0367042886315002	--
Myrciaria cauliflora	Fruit	60.0	3695.0	-0.037218511656178545	--
Brassica nigra	Leaf	1107.0	17867.0	-0.03895910092928099	USDA's Ag Handbook 8 and sequelae)
Prunus serotina	Stem	323.0	18360.0	-0.04174428103659576	--
Xanthosoma sagittifolium	Leaf	950.0	17800.0	-0.04353705317022988	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Sassafras albidum	Leaf	2607.0	17680.0	-0.051736370616705496	--
Moringa oleifera	Leaf	4400.0	17600.0	-0.05720258224768924	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Glycine max	Plant	9400.0	13000.0	-0.06304536035658775	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Colocasia esculenta	Leaf	260.0	17400.0	-0.0708681113251486	--
Beta vulgaris	Leaf	700.0	17368.0	-0.0730545959775421	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Raphanus sativus	Seed		3670.0	-0.08749806330597563	--
Perilla frutescens	Plant		12670.0	-0.09834434415922177	Suzuki, A., Morimoto, I., and Okitsu, T., Elution of Metals from Crude Drugs, Shoykugaku Zasshi 36(3):190-195.
Vicia faba	Fruit	500.0	3425.0	-0.09952381243320346	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Diospyros virginiana	Stem	2640.0	17820.0	-0.10029470119182099	--
Hydrangea arborescens	Root	2261.0	6460.0	-0.10325408809694175	--
Citrullus lanatus	Fruit	100.0	3400.0	-0.10529282176440947	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Azadirachta indica	Fruit	1381.0	3400.0	-0.10529282176440947	--
Psidium cattleianum	Fruit	210.0	3400.0	-0.10529282176440947	--
Brassica pekinensis	Leaf	11780.0	16800.0	-0.11186469855752668	--
Vitis vinifera	Stem		17700.0	-0.11330590567075993	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Thymus vulgaris	Leaf	2806.0	16700.0	-0.11869746309625637	--
Vigna aconitifolia	Seed	1360.0	3500.0	-0.11871991446123692	--
Perilla frutescens	Seed	1400.0	3500.0	-0.11871991446123692	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Ophiopogon japonicus	Tuber	870.0	3450.0	-0.1260687546119467	--
Tephrosia purpurea	Leaf		16500.0	-0.13236299217371572	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Artemisia dracunculus</i>	Plant	11390.0	12340.0	-0.1336433279618558	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Cynara cardunculus</i>	Flower	120.0	5286.0	-0.13404923516382297	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Taraxacum officinale</i>	Root	878.0	6140.0	-0.13829986219334658	--
<i>Cornus officinalis</i>	Fruit		3250.0	-0.13990687775164554	--
<i>Asimina triloba</i>	Fruit	530.0	3248.0	-0.14036839849814203	--
<i>Citrus limon</i>	Fruit	700.0	3227.0	-0.14521436633635507	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Mentha x rotundifolia</i>	Leaf		16300.0	-0.14602852125117508	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Harpagophytum procumbens</i>	Root	1151.0	6060.0	-0.1470613057174478	--
<i>Plantago psyllium</i>	Seed	728.0	3340.0	-0.14810518613677695	--
<i>Brassica napus</i> var. <i>napobrassica</i>	Root	270.0	6040.0	-0.14925166659847308	--
<i>Mentha x piperita</i>	Leaf	2414.0	16200.0	-0.15286128578990477	--
<i>Phaseolus vulgaris</i>	Seed	510.0	3295.0	-0.1563697937955226	--
<i>Cimicifuga racemosa</i>	Root	1254.0	5970.0	-0.15691792968206164	--
<i>Actaea racemosa</i>	Root		5970.0	-0.15691792968206164	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Lepidium sativum</i>	Seed	3100.0	3290.0	-0.1572880835353832	--
<i>Stellaria media</i>	Plant		12100.0	-0.15931531618195327	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Cucurbita</i> spp	Fruit	200.0	3165.0	-0.159521509477746	--
<i>Cinnamomum burmannii</i>	Bark		17000.0	-0.1598399287480191	--
<i>Cyclanthera pedata</i>	Fruit	130.0	3160.0	-0.1606753113439872	--
<i>Belamcanda chinensis</i>	Rhizome		6170.0	-0.16451076230734063	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
<i>Fallopia japonica</i>	Plant	11000.0	12000.0	-0.1700119779403272	Chem. & Pharm. Bull. 38: 2205.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Peperomia pelucida	Leaf	1240.0	15900.0	-0.1733595794060938	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Centella asiatica	Leaf	1700.0	15890.0	-0.17404285585996676	--
Theobroma cacao	Fruit	1300.0	3095.0	-0.1756747356051228	J Cell Biochem VOL. 22=1995
Juglans nigra	Fruit		3090.0	-0.176828537471364	--
Citrus aurantiifolia	Fruit	90.0	3084.0	-0.17821309971085345	--
Cucumis melo	Fruit	96.0	3080.0	-0.1791361412038464	--
Citrus reticulata	Fruit	140.0	3077.0	-0.17982842232359114	--
Basella alba	Leaf	1090.0	15800.0	-0.18019234394482347	--
Opuntia ficus-indica	Fruit	180.0	3065.0	-0.18259754680257	--
Piper betel	Leaf	2300.0	15750.0	-0.18360872621418833	--
Amorphophallus campanulatus	Root	260.0	5720.0	-0.1842974406948779	--
Daucus carota	Root	210.0	5710.0	-0.18539262113539057	--
Alocasia macrorrhiza	Leaf	570.0	15700.0	-0.18702510848355317	--
Ligustrum japonicum	Fruit		3040.0	-0.18836655613377604	--
Ligustrum lucidum	Fruit		3040.0	-0.18836655613377604	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
Canavalia ensiformis	Seed	960.0	3090.0	-0.19401967312980825	--
Chenopodium album	Seed		3000.0	-0.21054888844729952	--
Pinus echinata	Shoot	1088.0	11760.0	-0.21751333892681143	--
Prunus dulcis	Seed	2426.0	2962.0	-0.2175278904702403	--
Cucurbita pepo	Seed	240.0	2960.0	-0.21789520636618454	--
Commelina benghalensis	Leaf	2100.0	15215.0	-0.2201640164963921	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Fragaria spp	Fruit	135.0	2900.0	-0.22067300838852968	--
Catalpa ovata	Fruit		2890.0	-0.22298061212101208	--
Ephedra spp	Plant		11500.0	-0.22349528673219693	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Euphrasia officinalis	Plant	1771.0	11500.0	-0.22349528673219693	--
Ribes rubrum	Fruit	298.0	2875.0	-0.2264420177197357	--
Lablab purpureus	Fruit	500.0	2841.0	-0.23428787041017587	--
Robinia pseudoacacia	Leaf	12900.0	15000.0	-0.23485446025466092	--
Platycodon grandiflorum	Root	180.0	5240.0	-0.23686610183948517	--
Tamarindus indica	Fruit	170.0	2829.0	-0.23705699488915477	--
Brosimum alicastrum	Fruit	450.0	2812.0	-0.24097992123437484	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Abelmoschus esculentus	Seed	2100.0	2820.0	-0.24360731908228206	--
Olea europaea	Fruit	610.0	2798.0	-0.24421056645985023	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Gleditsia triacanthos	Seed		2800.0	-0.24728047804172457	--
Hibiscus sabdariffa	Leaf	2130.0	14792.0	-0.24906661049521867	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Chrysobalanus icaco	Fruit	290.0	2775.0	-0.24951805504455976	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Psoralea esculenta	Root		5100.0	-0.25219862800666226	Izidoost, 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.
Cnicus benedictus	Plant	1490.0	11200.0	-0.2555852720073188	--
Glycine max	Sprout Seedling	480.0	3504.0	-0.25583940940557376	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Erythroxylum novogranatense	Leaf	7600.0	14600.0	-0.26218551840957965	--
Eugenia brasiliensis	Fruit	395.0	2720.0	-0.26220987557321296	--
Sechium edule	Fruit	190.0	2715.0	-0.26336367743945416	--
Siegesbeckia orientalis	Plant		11100.0	-0.2662819337656927	--
Anthriscus cerefolium	Leaf	13460.0	14509.0	-0.26840333413982365	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Piper auritum	Leaf	2570.0	14440.0	-0.2731179416715471	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Sophora japonica	Seed		2649.0	-0.27501282818551565	--
Solanum nigrum	Leaf	1999.0	14400.0	-0.27585104748703904	--
Rheum rhabarbarum	Leaf	470.0	14400.0	-0.27585104748703904	--
Phyllanthus emblica	Fruit	120.0	2660.0	-0.2760554979681074	--
Artemisia vulgaris	Plant	8000.0	11000.0	-0.2769785955240667	Chem. & Pharm. Bull. 38: 2205.
Paeonia moutan	Root Bark	5150.0	16700.0	-0.2795716516165602	--
Paeonia suffruticosa	Root Bark	5150.0	16700.0	-0.2795716516165602	--
Corylus avellana	Seed	1300.0	2591.0	-0.2856649891678989	--
Syzygium malaccense	Fruit	55.0	2615.0	-0.2864397147642782	--
Lycium chinense	Leaf	1480.0	14231.0	-0.2873984195574922	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Schizonepeta tenuifolia	Plant		10900.0	-0.2876752572824406	--
Annona muricata	Fruit	140.0	2600.0	-0.2899011203630018	--
Morus alba	Root Bark	16100.0	16500.0	-0.29288458740782497	--
Physalis ixocarpa	Fruit	70.0	2580.0	-0.2945163278279666	--
Perilla frutescens	Leaf	1970.0	14071.0	-0.29833084281945965	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Panax quinquefolius	Plant	2340.0	10800.0	-0.29837191904081456	--
Moringa oleifera	Fruit	300.0	2545.0	-0.30259294089165506	USDA's Ag Handbook 8 and sequelae)
Phaseolus lunatus	Sprout Seedling	1090.0	3028.0	-0.3113957775064191	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Cucurbita pepo	Fruit	210.0	2500.0	-0.31297715768782586	USDA's Ag Handbook 8 and sequelae)
Passiflora quadrangularis	Fruit	90.0	2500.0	-0.31297715768782586	--
Spondias mombin	Fruit	260.0	2500.0	-0.31297715768782586	--
Sicana odorifera	Fruit	210.0	2460.0	-0.3222075726177555	--
Passiflora incarnata	Flower	506.0	4600.0	-0.3238322438264058	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Lycopersicon esculentum</i>	Fruit	60.0	2400.0	-0.3360531950126499	--
<i>Firmiana simplex</i>	Seed		2310.0	-0.3372728725480661	--
<i>Melia azedarach</i>	Seed		2310.0	-0.3372728725480661	--
<i>Rhizophora mangle</i>	Leaf		13500.0	-0.3373459283356061	--
<i>Eriobotrya japonica</i>	Fruit	180.0	2381.0	-0.3404376421043665	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Triticum aestivum</i>	Plant	900.0	10400.0	-0.34115856607431033	--
<i>Hordeum vulgare</i>	Plant	800.0	10400.0	-0.34115856607431033	Jim Duke's personal files.*
<i>Coriandrum sativum</i>	Leaf	1330.0	13441.0	-0.34137725941345665	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Beta vulgaris</i>	Root	120.0	4200.0	-0.35076486765280085	--
<i>Verbascum thapsus</i>	Leaf	5852.0	13300.0	-0.3510114574130655	--
<i>Phyllanthus acidus</i>	Fruit	60.0	2326.0	-0.3531294626330197	--
<i>Vigna mungo</i>	Seed	1100.0	2220.0	-0.35380208786555734	--
<i>Chaenomeles lagenaria</i>	Fruit		2300.0	-0.35912923233747396	--
<i>Frangula purshiana</i>	Bark	4100.0	14800.0	-0.3701186348289897	--
<i>Carthamus tinctorius</i>	Flower	620.0	4430.0	-0.3708630185678622	--
<i>Erythroxylum novogranatense</i>	Leaf	10200.0	13000.0	-0.37150975102925454	--
<i>Eleutherococcus senticosus</i>	Root	840.0	4000.0	-0.3726684764630539	--
<i>Xanthosoma sagittifolium</i>	Root	59.0	4000.0	-0.3726684764630539	--
<i>Trigonella foenum-graecum</i>	Leaf		12900.0	-0.3783425155679842	--
<i>Aegle marmelos</i>	Fruit	850.0	2205.0	-0.3810514677960568	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Glycine max</i>	Fruit	670.0	2200.0	-0.382205269662298	--
<i>Caulophyllum thalictroides</i>	Root	428.0	3890.0	-0.38471546130869305	--
<i>Phragmites australis</i>	Shoot		9400.0	-0.38974162757951175	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Aconitum carmichaelii</i>	Tuber		2550.0	-0.3913732265154976	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Solanum tuberosum	Tuber	34.0	2550.0	-0.3913732265154976	--
Myristica fragrans	Seed	1110.0	2000.0	-0.3942068364194249	--
Ipomoea aquatica	Leaf	276.0	12665.0	-0.394399512233999	--
Angelica laxiflora	Root		3800.0	-0.3945720852733069	--
Allium ampeloprasum	Root	520.0	3796.0	-0.39501015744951196	--
Colocasia esculenta	Root	130.0	3780.0	-0.3967624461543322	--
Phaseolus acutifolius	Seed	1120.0	1966.0	-0.4004512066504771	--
Lupinus albus	Seed	1760.0	1965.0	-0.40063486459844927	--
Sorbus aucubaria	Fruit	100.0	2115.0	-0.40181990138839846	--
Diospyros virginiana	Leaf	1150.0	12500.0	-0.40567357372290297	--
Brassica rapa	Root	300.0	3690.0	-0.40661907011894605	--
Sophora secundiflora	Seed	500.0	1900.0	-0.4125726312166374	--
Apium graveolens	Root	340.0	3635.0	-0.4126425625417656	ACTA AGRIC SCAND SUPPL 22: 1980
Syzygium jambos	Fruit	290.0	2045.0	-0.41797312751577526	--
Prunus domestica	Fruit	38.0	2040.0	-0.41912692938201646	--
Pereskia aculeata	Fruit	130.0	2025.0	-0.42258833498074005	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Cajanus cajan	Fruit	350.0	2022.0	-0.4232806161004848	--
Pastinaca sativa	Root	315.0	3525.0	-0.4246895473874048	--
Sechium edule	Shoot	660.0	8920.0	-0.42477111001734913	--
Bertholletia excelsa	Seed	1300.0	1820.0	-0.4272652670544074	--
Astragalus membranaceus	Root	560.0	3500.0	-0.42742749848868644	--
Phoenix dactylifera	Fruit	140.0	2000.0	-0.4283573443119461	--
Rubus idaeus	Leaf	2045.0	12100.0	-0.4330046318778217	--
Polygala tenuifolia	Root		3420.0	-0.43618894201278763	--
Salix alba	Bark	2369.0	14100.0	-0.4370254958547531	--
Phellodendron amurense	Bark		14100.0	-0.4370254958547531	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Quercus phellos</i>	Stem	2940.0	14700.0	-0.43858601764423344	--
<i>Prunus cerasus</i>	Fruit	140.0	1954.0	-0.43897232148136517	--
<i>Artocarpus altilis</i>	Fruit	170.0	1950.0	-0.4398953629743581	--
<i>Polygonum multiflorum</i>	Root		3370.0	-0.4416648442153509	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Albizia lebeck</i>	Seed		1720.0	-0.44563106185161994	Wealth of India.
<i>Cinnamomum sieboldii</i>	Bark		14000.0	-0.44658361885843356	--
<i>Byrsonima crassifolia</i>	Fruit	230.0	1920.0	-0.4468181741718053	--
<i>Artemisia vulgaris</i>	Shoot		8600.0	-0.4481240983092407	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Actinidia chinensis</i>	Fruit	160.0	1910.0	-0.4491257779042877	--
<i>Pisum sativum</i>	Seed	230.0	1700.0	-0.44930422081106247	--
<i>Echinacea purpurea</i>	Root	826.0	3290.0	-0.4504262877394521	--
<i>Phaseolus vulgaris</i>	Sprout Seedling	170.0	1828.0	-0.4514538483488865	USDA's Ag Handbook 8 and sequelae)
<i>Prunus armeniaca</i>	Fruit	134.0	1899.0	-0.45166414201001837	--
<i>Olea europaea</i>	Leaf		11800.0	-0.4535029254940107	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Pourouma cecropiaefolia</i>	Fruit	340.0	1890.0	-0.45374098536925256	J Cell Biochem VOL. 22=1995
<i>Sambucus canadensis</i>	Fruit	380.0	1881.0	-0.4558178287284867	USDA's Ag Handbook 8 and sequelae)
<i>Nyssa sylvatica</i>	Stem	2850.0	14520.0	-0.4581028243626418	--
<i>Vigna unguiculata</i>	Seed	1255.0	1643.0	-0.4597727238454736	USDA's Ag Handbook 8 and sequelae)
<i>Bixa orellana</i>	Seed	970.0	1640.0	-0.46032369768938997	--
<i>Elytrigia repens</i>	Plant	3000.0	9280.0	-0.46096117776809853	--
<i>Vigna radiata</i>	Seed	1183.0	1602.0	-0.46730269971233074	USDA's Ag Handbook 8 and sequelae)
<i>Phaseolus coccineus</i>	Seed	600.0	1600.0	-0.467670015608275	--
<i>Mucuna pruriens</i>	Seed	1320.0	1600.0	-0.467670015608275	--
<i>Cenchrus biflorus</i>	Seed	1440.0	1595.0	-0.4685883053481356	--
<i>Cola acuminata</i>	Seed	580.0	1563.0	-0.4744653596832436	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Santalum acuminatum</i>	Fruit	420.0	1800.0	-0.47450941896159415	--
<i>Dioscorea</i> sp.	Root		3060.0	-0.47561543787124305	--
<i>Dioscorea villosa</i>	Root	734.0	3060.0	-0.47561543787124305	--
<i>Cajanus cajan</i>	Seed	290.0	1540.0	-0.4786894924866025	--
<i>Brassica oleracea</i> var. <i>botrytis</i> l.	Flower	210.0	4040.0	-0.4787571488570857	--
<i>Pyrus communis</i>	Fruit	68.0	1776.0	-0.48004766791955195	--
<i>Vigna radiata</i>	Sprout Seedling	110.0	1571.0	-0.4814496185209816	USDA's Ag Handbook 8 and sequelae)
<i>Prunus armeniaca</i>	Seed	930.0	1522.0	-0.4819953355501007	Suzuki, A., Morimoto, I., and Okitsu, T., Elution of Metals from Crude Drugs, <i>Shoykugaku Zasshi</i> 36(3):190-195.
<i>Psophocarpus tetragonolobus</i>	Leaf	1845.0	11383.0	-0.4819955536205135	--
<i>Smilax</i> spp	Root	626.0	2980.0	-0.4843768813953443	--
<i>Smilax officinalis</i>	Root	626.0	2980.0	-0.4843768813953443	--
<i>Hydrastis canadensis</i>	Root	823.0	2970.0	-0.48547206183585695	--
<i>Cinnamomum aromaticum</i>	Bark	4900.0	13569.0	-0.48777912900429643	--
<i>Sclerocarya caffra</i>	Seed	1430.0	1490.0	-0.48787238988520876	--
<i>Aristolochia debilis</i>	Fruit		1740.0	-0.4883550413564886	--
<i>Artocarpus heterophyllus</i>	Fruit	200.0	1735.0	-0.4895088432227298	--
<i>Vaccinium vitis-idaea</i>	Fruit	180.0	1730.0	-0.490662645088971	--
<i>Medicago sativa</i>	Plant	1690.0	8990.0	-0.49198149686738296	--
<i>Pistacia vera</i>	Seed	1066.0	1464.0	-0.492647496532484	--
<i>Manihot esculenta</i>	Root	190.0	2890.0	-0.49423350535995814	--
<i>Panax ginseng</i>	Root	611.0	2880.0	-0.4953286858004708	--
<i>Pimenta dioica</i>	Leaf	10056.0	11166.0	-0.4968226526695569	--
<i>Allium schoenoprasum</i>	Leaf	690.0	11140.0	-0.4985991714496266	--
<i>Cajanus cajan</i>	Plant		8900.0	-0.5016084924499196	--
<i>Angelica sinensis</i>	Root	620.0	2820.0	-0.5018997684435467	--
<i>Capsicum annuum</i>	Fruit	431.0	1670.0	-0.5045082674838655	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Salvia miltiorrhiza	Root		2780.0	-0.5062804902055973	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
Cannabis sativa	Seed	1200.0	1389.0	-0.5064218426303934	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Ginkgo biloba	Leaf	2640.0	11000.0	-0.5081650418038481	--
Rubus idaeus	Fruit	220.0	1645.0	-0.5102772768150714	Revised USDA data received 1993.
Elettaria cardamomum	Fruit	1300.0	1625.0	-0.5148924842800362	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Arctostaphylos uva-ursi	Leaf	1264.0	10900.0	-0.5149978063425779	--
Carica pentagona	Fruit	110.0	1615.0	-0.5172000880125186	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Scrophularia buergeriana	Root		2670.0	-0.5183274750512364	--
Mauritia flexuosa	Fruit	740.0	1610.0	-0.5183538898787599	J Cell Biochem VOL. 22=1995
Carthamus tinctorius	Seed	1260.0	1324.0	-0.5183596092485815	--
Zizyphus jujuba	Fruit	260.0	1602.0	-0.5201999728647457	--
Asparagus officinalis	Root	265.0	2650.0	-0.5205178359322618	--
Salvia officinalis	Leaf	1696.0	10800.0	-0.5218305708813075	--
Citrullus lanatus	Seed	1294.0	1300.0	-0.5227673999999125	--
Blighia sapida	Seed	200.0	1300.0	-0.5227673999999125	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Psidium guajava	Fruit	90.0	1582.0	-0.5248151803297106	--
Tragopogon porrifolius	Root	480.0	2610.0	-0.5248985576943124	--
Achillea millefolium	Plant	1535.0	8670.0	-0.5262108144941796	--
Coffea arabica	Seed	1200.0	1281.0	-0.5262569010113829	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Malva sylvestris	Leaf	900.0	10715.0	-0.5276384207392277	--
Capsicum frutescens	Fruit	175.0	1560.0	-0.5298919085411719	--
Zizyphus spina-christi	Fruit	1400.0	1544.0	-0.5335840745131437	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Helianthus annuus</i>	Seed	917.0	1225.0	-0.5365417460978219	USDA's Ag Handbook 8 and sequelae)
<i>Lepidium meyenii</i>	Root	2470.0	2500.0	-0.5369455425399515	--
<i>Cicer arietinum</i>	Seed	1020.0	1220.0	-0.5374600358376825	USDA's Ag Handbook 8 and sequelae)
<i>Foeniculum vulgare</i>	Leaf	1000.0	10556.0	-0.5385025163558079	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Tamarindus indica</i>	Seed		1210.0	-0.5392966153174038	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Nelumbo nucifera</i>	Fruit	1360.0	1511.0	-0.5411991668303356	--
<i>Fagopyrum esculentum</i>	Seed	241.0	1140.0	-0.5521526716754526	--
<i>Acanthopanax gracilistylis</i>	Root Bark		12600.0	-0.5524868353374881	--
<i>Annona cherimola</i>	Fruit	78.0	1455.0	-0.5541217477322371	--
<i>Sambucus nigra</i>	Fruit	235.0	1440.0	-0.5575831533309608	--
<i>Annona cherimola</i>	Seed	860.0	1110.0	-0.5576624101146164	--
<i>Ipomoea batatas</i>	Root	203.0	2300.0	-0.5588491513502045	--
<i>Theobroma cacao</i>	Seed	800.0	1100.0	-0.5594989895943375	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Juglans regia</i>	Seed	610.0	1100.0	-0.5594989895943375	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Quisqualis indica</i>	Fruit		1430.0	-0.5598907570634432	--
<i>Carya ovata</i>	Seed		1095.0	-0.5604172793341982	--
<i>Macadamia spp</i>	Seed	355.0	1075.0	-0.5640904382936407	USDA's Ag Handbook 8 and sequelae)
<i>Vitellaria paradoxa</i>	Seed		1070.0	-0.5650087280335013	--
<i>Lens culinaris</i>	Sprout Seedling	244.0	853.0	-0.5652510309083912	USDA's Ag Handbook 8 and sequelae)
<i>Mangifera indica</i>	Fruit	92.0	1400.0	-0.5668135682608904	--
<i>Malpighia glabra</i>	Fruit	120.0	1400.0	-0.5668135682608904	--
<i>Areca catechu</i>	Seed	500.0	1050.0	-0.5686818869929439	--
<i>Cichorium endivia</i>	Leaf	462.0	10080.0	-0.5710264755601612	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Artocarpus heterophyllus	Seed	500.0	1033.0	-0.57180407210847	--
Elaeis guineensis	Fruit	820.0	1360.0	-0.57604398319082	--
Angelica dahurica	Root		2140.0	-0.576372038398407	--
Manihot esculenta	Leaf	1450.0	10000.0	-0.576492687191145	--
Peperomia pereskiaifolia	Leaf	1500.0	10000.0	-0.576492687191145	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Rumex crispus	Leaf	150.0	10000.0	-0.576492687191145	--
Erythrina berteroana	Shoot	1080.0	6835.0	-0.5769304243567052	--
Lupinus mutabilis	Seed	900.0	1000.0	-0.5778647843915501	--
Hordeum vulgare	Sprout Seedling		720.0	-0.580774133760098	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
Tussilago farfara	Flower		3670.0	-0.5811182468237849	--
Pinus gerardiana	Seed	910.0	980.0	-0.5815379433509926	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Annona squamosa	Fruit	216.0	1335.0	-0.581812992522026	--
Prunus persica	Seed		970.0	-0.5833745228307139	--
Arachis hypogaea	Seed	560.0	969.0	-0.5835581807786859	--
Cichorium intybus	Root	410.0	2050.0	-0.5862286623630208	--
Quercus rubra	Seed		947.0	-0.5875986556340728	--
Vigna subterranea	Seed	100.0	945.0	-0.587965971530017	--
Ananas comosus	Fruit	62.0	1308.0	-0.5880435225997285	--
Cyamopsis tetragonoloba	Fruit		1300.0	-0.5898896055857143	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Manilkara zapota	Fruit	240.0	1300.0	-0.5898896055857143	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Genipa americana	Seed		900.0	-0.5962305791887627	--
Annona reticulata	Fruit	176.0	1270.0	-0.5968124167831617	--
Chrysanthemum coronarium	Leaf	630.0	9690.0	-0.5976742572612069	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Glehnia littoralis</i>	Root		1930.0	-0.5993708276491726	--
<i>Tetragonia tetragonioides</i>	Leaf	580.0	9665.0	-0.5993824483958894	--
<i>Pachira macrocarpa</i>	Seed	830.0	875.0	-0.6008220278880657	--
<i>Quararibea cordata</i>	Fruit	184.0	1250.0	-0.6014276242481265	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
<i>Aleurites moluccana</i>	Seed	800.0	860.0	-0.6035768971076476	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Kalmia latifolia</i>	Leaf		9600.0	-0.6038237453460636	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Alocasia macrorrhiza</i>	Root	281.0	1875.0	-0.6053943200719922	--
<i>Chrysophyllum cainito</i>	Fruit	75.0	1220.0	-0.6083504354455737	--
<i>Artocarpus altilis</i>	Seed	110.0	825.0	-0.610004925286672	--
<i>Anacardium occidentale</i>	Seed	240.0	823.0	-0.6103722411826162	--
<i>Asparagus lucidus</i>	Root		1810.0	-0.6125129929353245	--
<i>Solanum sessiliflorum</i>	Fruit	120.0	1200.0	-0.6129656429105385	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
<i>Passiflora edulis</i>	Seed		800.0	-0.6145963739859751	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
<i>Acrocomia totai</i>	Seed		800.0	-0.6145963739859751	--
<i>Pothomorphe</i> sp.	Leaf	1690.0	9440.0	-0.6147561686080312	--
<i>Passiflora edulis</i>	Fruit	130.0	1190.0	-0.6152732466430209	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Phytolacca americana</i>	Shoot	530.0	6307.0	-0.6154628550383262	--
<i>Carica papaya</i>	Fruit	159.0	1180.0	-0.6175808503755033	--
<i>Lycium chinense</i>	Fruit	225.0	1170.0	-0.6198884541079857	--
<i>Carya illinoensis</i>	Seed	618.0	763.0	-0.6213917180609437	--
<i>Vigna angularis</i>	Seed	660.0	762.0	-0.6215753760089159	--
<i>Juncus effusus</i>	Pith		1440.0	-0.6246622582977759	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Vigna unguiculata	Shoot	630.0	6164.0	-0.6258987216812653	--
Vigna unguiculata	Shoot	630.0	6164.0	-0.6258987216812653	USDA's Ag Handbook 8 and sequelae)
Trigonella foenum-graecum	Seed	95.0	730.0	-0.6274524303440239	--
Juglans cinerea	Seed	512.0	724.0	-0.6285543780318567	--
Polymnia edulis	Root	150.0	1650.0	-0.6300358799835268	--
Zingiber officinale	Root	116.0	1650.0	-0.6300358799835268	--
Rubus chamaemorus	Fruit	150.0	1125.0	-0.6302726709041565	--
Lantana camara	Shoot		6100.0	-0.6305693193396437	--
Passiflora foetida	Fruit	200.0	1110.0	-0.63373407650288	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Annona diversifolia	Fruit	315.0	1110.0	-0.63373407650288	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Secale cereale	Seed	315.0	685.0	-0.6357170380027696	--
Lantana camara	Fruit		1100.0	-0.6360416802353624	--
Theobroma bicolor	Seed	650.0	675.0	-0.6375536174824907	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Juglans nigra	Seed	565.0	668.0	-0.6388392231182957	--
Prunus salicifolia	Fruit	172.0	1080.0	-0.6406568877003272	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Elaeagnus umbellatus	Fruit	196.0	1070.0	-0.6429644914328096	--
Diospyros digyna	Fruit	220.0	1070.0	-0.6429644914328096	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Rollinia mucosa	Fruit	240.0	1050.0	-0.6475796988977744	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Averrhoa carambola	Fruit	29.0	1040.0	-0.649887302630257	--
Sphenostylis stenocarpa	Seed	550.0	607.0	-0.6500423579445953	--
Lens culinaris	Seed	386.0	604.0	-0.6505933317885116	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Viscum album	Leaf		8910.0	-0.6509698206632984	--
Hibiscus sabdariffa	Flower	374.0	3400.0	-0.6558141831778627	--
Dioscorea pentaphylla	Root	260.0	1400.0	-0.6574153909963432	--
Areca catechu	Sprout Seedling		60.0	-0.6578060727234551	--
Mammea americana	Fruit	40.0	985.0	-0.6625791231589101	--
Lupinus mutabilis	Fruit	280.0	980.0	-0.6637329250251514	--
Castanea sativa	Seed	220.0	528.0	-0.6645513358343932	--
Solanum quitoensis	Fruit	60.0	975.0	-0.6648867268913925	--
Crescentia alata	Seed	500.0	518.0	-0.6663879153141145	--
Persea americana	Fruit	60.0	964.0	-0.6674250909971232	--
Canna indica	Root	150.0	1300.0	-0.6683671954014696	--
Notopterygium incisum	Rhizome		3850.0	-0.6695972127981645	--
Licania platypus	Fruit	105.0	938.0	-0.6734248607015775	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Cocos nucifera	Seed	71.0	476.0	-0.6741015491289437	--
Spondias purpurea	Fruit	140.0	925.0	-0.6764247455538046	--
Syzygium cumini	Fruit	80.0	920.0	-0.6775785474200458	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Phoenix dactylifera	Seed	18.0	436.0	-0.6814478670478287	Abstract (See species file)
Acrocomia totai	Fruit		900.0	-0.6821937548850106	--
Castanea dentata	Seed	240.0	427.0	-0.6831007885795778	--
Pouteria campechiana	Fruit	220.0	895.0	-0.6833475567512518	--
Rehmannia glutinosa	Root		1150.0	-0.6847949020091594	--
Passiflora quadrangularis	Seed	90.0	415.0	-0.6853046839552434	--
Chrysanthemum cinerariifolium	Shoot		5300.0	-0.6889517900693726	--
Valerianella locusta	Plant	6410.0	7139.0	-0.6899767060148847	--
Simmondsia chinensis	Seed		372.0	-0.6932019757180448	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Oryza sativa	Seed	71.0	364.0	-0.6946712393018217	--
Castanea mollissima	Seed	160.0	356.0	-0.6961405028855987	--
Anacardium occidentale	Fruit	100.0	833.0	-0.6976546998926427	--
Nelumbo nucifera	Rhizome	450.0	3704.0	-0.7013828256307767	--
Passiflora ligularis	Fruit	56.0	810.0	-0.7029621884773523	--
Cydonia oblonga	Fruit	60.0	805.0	-0.7041159903435934	--
Coix lacryma-jobi	Seed	50.0	282.0	-0.709731191035536	--
Pinus pinea	Seed	260.0	280.0	-0.7100985069314802	USDA's Ag Handbook 8 and sequelae)
Myrica cerifera	Bark	2442.0	11200.0	-0.7142110629614871	--
Diospyros virginiana	Fruit	270.0	758.0	-0.7149617278862607	--
Polystichum polyblepharum	Plant	6000.0	6900.0	-0.7155417276173982	--
Allium sativum var. sativum	Root	315.0	850.0	-0.7176503152245389	--
Ginkgo biloba	Seed	20.0	230.0	-0.7192814043300865	--
Feijoa sellowiana	Fruit	40.0	731.0	-0.7211922579639632	--
Pouteria viridis	Fruit	230.0	730.0	-0.7214230183372115	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Platonia insignis	Fruit	200.0	720.0	-0.7237306220696939	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Balanites aegyptiacus	Shoot		4800.0	-0.7254408342754531	--
Zea mays	Seed	10.0	181.0	-0.7282806437807207	--
Brassica oleracea var. sabellica l.	Leaf	1200.0	7725.0	-0.7319380804472452	--
Pinus cembroides	Seed	120.0	145.0	-0.7348923299077171	USDA's Ag Handbook 8 and sequelae)
Pachyrhizus erosus	Tuber	150.0	1380.0	-0.7362690399901138	--
Averrhoa bilimbi	Fruit	30.0	665.0	-0.7364224425983471	--
Arracacia xanthorrhiza	Root	190.0	655.0	-0.7390063338145356	--
Punica granatum	Fruit	30.0	650.0	-0.7398838481970706	--
Pinus edulis	Seed	59.0	117.0	-0.7400347524509366	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Hylocereus undatus	Fruit	100.0	640.0	-0.742191451929553	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Eugenia uniflora	Fruit	70.0	640.0	-0.742191451929553	--
Garcinia mangostana	Fruit	100.0	637.0	-0.7428837330492978	--
Perideridia gairdneri	Root		600.0	-0.7450298262373551	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.
Acacia senegal	Leaf		7500.0	-0.747311800659387	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Musa x paradisiaca	Leaf		7500.0	-0.747311800659387	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Phaseolus coccineus	Fruit	500.0	610.0	-0.7491142631270002	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Durio zibethinus	Fruit	76.0	600.0	-0.7514218668594826	--
Physalis peruviana	Fruit	80.0	585.0	-0.7548832724582063	--
Zingiber officinale	Rhizome	150.0	3458.0	-0.7549394061569589	--
Tropaeolum tuberosum	Root	70.0	500.0	-0.7559816306424817	--
Malus domestica	Fruit	43.0	570.0	-0.75834467805693	--
Pueraria montana	Root	150.0	475.0	-0.7587195817437633	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Maranta arundinacea	Root	150.0	467.0	-0.7595957260961734	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Alisma plantago-aquatica	Rhizome	1630.0	3430.0	-0.7610352771111585	--
Melicoccus bijugatas	Fruit	34.0	555.0	-0.7618060836556535	--
Silybum marianum	Plant		6460.0	-0.7626070393542436	--
Coptis chinensis	Rhizome	1620.0	3410.0	-0.7653894706498725	--
Coptis japonica	Rhizome	1620.0	3410.0	-0.7653894706498725	--
Coptis spp	Rhizome	1620.0	3410.0	-0.7653894706498725	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Persea schiedeana</i>	Fruit	114.0	532.0	-0.767113572240363	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
<i>Ullucus tuberosus</i>	Root	30.0	365.0	-0.7707665665894025	--
<i>Passiflora incarnata</i>	Fruit	140.0	509.0	-0.7724210608250726	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
<i>Elaeagnus commutata</i>	Fruit	70.0	507.0	-0.7728825815715691	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Hylocereus guatemalensis</i>	Fruit	63.0	500.0	-0.7744979041843068	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
<i>Passiflora mollissima</i>	Fruit	40.0	500.0	-0.7744979041843068	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
<i>Rhodymenia palmata</i>	Plant		6320.0	-0.7775823658159672	--
<i>Theobroma speciosum</i>	Fruit	190.0	485.0	-0.7779593097830303	J Cell Biochem VOL. 22=1995
<i>Dioscorea alata</i>	Root	44.0	290.0	-0.7789804198932474	--
<i>Sphenostylis stenocarpa</i>	Root	100.0	284.0	-0.7796375281575549	--
<i>Lobelia inflata</i>	Leaf	793.0	7020.0	-0.7801090704452894	--
<i>Eugenia floribunda</i>	Fruit	60.0	465.0	-0.7825745172479952	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Oxalis tuberosa</i>	Root	40.0	247.0	-0.7836896957874517	--
<i>Casimiroa edulis</i>	Fruit	80.0	455.0	-0.7848821209804776	--
<i>Amorphophallus konjac</i>	Root		234.0	-0.7851134303601183	--
<i>Bixa orellana</i>	Fruit	70.0	450.0	-0.7860359228467187	--
<i>Musa x paradisiaca</i>	Pith		100.0	-0.7864626628310915	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Cinnamomum sieboldii</i>	Root Bark		9000.0	-0.792119679580254	--
<i>Nepeta cataria</i>	Plant	739.0	6160.0	-0.7946970246293654	--
<i>Asparagus officinalis</i>	Shoot	160.0	3840.0	-0.7954997991511278	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Vaccinium corymbosum	Fruit	58.0	400.0	-0.7975739415091307	--
Eucommia ulmoides	Bark		10200.0	-0.8097922929982918	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
Amorphophallus konjac	Leaf	170.0	6538.0	-0.8130429955219665	--
Cyperus rotundus	Rhizome		3180.0	-0.8154626963450835	--
Silybum marianum	Leaf	1421.0	6460.0	-0.8183725518621756	--
Artemisia vulgaris	Leaf	820.0	6455.0	-0.8187141900891122	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Chrysanthemum parthenium	Plant		5810.0	-0.8321353407836742	--
Tanacetum parthenium	Plant		5810.0	-0.8321353407836742	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Abelmoschus manihot	Leaf	724.0	6241.0	-0.8333363062019936	--
Hordeum vulgare	Stem		11000.0	-0.8397648224115174	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Spondias tuberosa	Fruit		200.0	-0.8437260161587788	--
Theobroma bicolor	Fruit	158.0	184.0	-0.8474181821307507	--
Ulmus rubra	Bark	1602.0	9770.0	-0.8508922219141178	--
Peganum harmala	Plant		5600.0	-0.8545983304762595	--
Chrysanthemum parthenium	Leaf	1046.0	5810.0	-0.8627855213639186	--
Tamarindus indica	Flower		2650.0	-0.8633028952725232	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Murraya sp	Fruit	20.0	95.0	-0.8679558553498441	--
Musa x paradisiaca	Fruit	20.0	95.0	-0.8679558553498441	--
Curcuma longa	Rhizome	270.0	2898.0	-0.8768568252409509	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Brassica juncea	Leaf	512.0	5565.0	-0.8795257944838063	--
Capparis spinosa	Leaf		5500.0	-0.8839670914339806	Wealth of India.
Allium ampeloprasum	Leaf	520.0	5472.0	-0.8858802655048249	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Stevia rebaudiana</i>	Leaf		5440.0	-0.8880667501572184	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Allium cepa</i>	Leaf	420.0	5385.0	-0.8918247706535197	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Sassafras albidum</i>	Stem	913.0	10360.0	-0.9091579129658584	--
<i>Borago officinalis</i>	Leaf	930.0	5005.0	-0.9177892759006925	USDA's Ag Handbook 8 and sequelae)
<i>Acacia farnesiana</i>	Leaf	930.0	5003.0	-0.917925931191467	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Bacopa monnieri</i>	Shoot		2020.0	-0.928319920061261	Wealth of India.
<i>Arundo donax</i>	Plant		4900.0	-0.9294749627848772	--
<i>Aspalathus linearis</i>	Shoot		2000.0	-0.9297794818295042	--
<i>Psophocarpus tetragonolobus</i>	Tuber	300.0	704.0	-0.9355421766643365	--
<i>Aloe vera</i>	Leaf	190.0	4600.0	-0.9454619722825477	--
<i>Aloe spp.</i>	Leaf	23.0	4600.0	-0.9454619722825477	--
<i>Pueraria montana</i>	Shoot	1600.0	1700.0	-0.9516729083531525	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Petroselinum crispum</i>	Shoot		1600.0	-0.9589707171943687	--
<i>Rumex acetosa</i>	Leaf	430.0	4300.0	-0.9659602658987367	--
<i>Scutellaria lateriflora</i>	Plant	623.0	4550.0	-0.966913278939186	--
<i>Allium sativum</i> var. <i>sativum</i>	Leaf	580.0	4265.0	-0.9683517334872921	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Plantago major</i>	Shoot	860.0	1340.0	-0.9779450201815306	--
<i>Ephedra sinica</i>	Plant	922.0	4390.0	-0.9840279377525842	--
<i>Dioscorea bulbifera</i>	Rhizome	690.0	2379.0	-0.9898481475705792	--
<i>Stellaria media</i>	Shoot	400.0	1110.0	-0.9947299805163277	--
<i>Plantago psyllium</i>	Hull Husk		3059.0	-1.0	--
<i>Opuntia ficus-indica</i>	Bud		560.0	-1.0	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Portulaca oleracea	Herb	780.0	20800.0	-1.0	--
Allium sativum var. sativum	Flower	250.0	2155.0	-1.0002454452549991	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Alpinia galanga	Rhizome	310.0	2199.0	-1.029035889419005	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Sechium edule	Leaf	592.0	3345.0	-1.0312131672436051	--
Allium sativum var. sativum	Shoot	120.0	538.0	-1.0364734470880839	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Gastrodia elata	Rhizome		2140.0	-1.0418807603582114	--
Brassica oleracea var. gemmifera	Leaf	395.0	3177.0	-1.042692211668671	USDA's Ag Handbook 8 and sequelae)
Vetiveria zizanioides	Leaf	2800.0	3100.0	-1.047953440363493	--
Erythrina fusca	Leaf	570.0	3080.0	-1.049319993271239	--
Cymbopogon citratus	Plant		3680.0	-1.0599742362370392	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Catha edulis	Leaf		2900.0	-1.0616189694409524	--
Eriodictyon californicum	Leaf	638.0	2900.0	-1.0616189694409524	--
Phaseolus lunatus	Leaf	80.0	2857.0	-1.064557058192606	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Eleocharis dulcis	Tuber	40.0	265.0	-1.0649518024039575	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Aralia cordata	Leaf	130.0	2765.0	-1.0708432015682374	--
Abrus precatorius	Leaf	1266.0	2660.0	-1.0780176043339036	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Cucurbita maxima	Leaf	364.0	2580.0	-1.0834838159648872	--
Camellia sinensis	Leaf	327.0	2456.0	-1.0919564439929121	--
Oryza sativa	Plant	1900.0	3300.0	-1.1006215509188604	--
Eriocaulon sp	Leaf		2070.0	-1.1183309151124086	--
Stillingia sylvatica	Plant		3100.0	-1.1220148744356082	--
Cnidium officinale	Rhizome		1710.0	-1.1354959214405624	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Morinda citrifolia	Leaf	360.0	1600.0	-1.1504449084444381	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Gliricidia sepium	Flower	220.0	1570.0	-1.1620866406888344	--
Arisaema consanguineum	Rhizome		1550.0	-1.1703294697502744	--
Calathea macrosepala	Plant	200.0	2600.0	-1.175498183227478	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Magnolia officinalis	Bark		6350.0	-1.1777800286399904	--
Gliricidia sepium	Leaf	170.0	1110.0	-1.1839254546842135	--
Gymnema sylvestre	Leaf	169.0	890.0	-1.1989575366694187	--
Lophatherum gracile	Plant		2380.0	-1.1990308390959006	--
Chamissoa altissima	Leaf	80.0	825.0	-1.203398833619593	Tramil
Cinnamomum verum	Bark	3415.0	6000.0	-1.211233459152872	--
Polygonum multiflorum	Plant		2225.0	-1.2156106648213802	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Allium ampeloprasum	Flower	230.0	1361.0	-1.2199068284592132	--
Stevia rebaudiana	Plant		2100.0	-1.2289814920193476	Kinghorn, A. D. (Ed.) 2002. Medicinal and Aromatic Plants - Industrial Profiles. Stevia. The genus Stevia. Taylor & Francis. New York, NY. 211 pp.
Cistanche salsa	Plant		1730.0	-1.2685591405253311	--
Fritillaria thunbergii	Bulb		400.0	-1.2801999375430626	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
Dendrobium nobile	Stem		6530.0	-1.3244321892519928	--
Spartium junceum	Stem		6500.0	-1.3276849903717276	--
Inga feuillei	Aril	140.0	875.0	-1.3546536563539873	J Cell Biochem VOL. 22=1995
Houttuynia cordata	Plant		770.0	-1.371247093405721	Suzuki, A., Morimoto, I., and Okitsu, T., Elution of Metals from Crude Drugs, Shoykugaku Zasshi 36(3):190-195.
Curcuma longa	Plant	226.0	730.0	-1.3755257581090707	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Apium graveolens	Pt	313.0	11918.0	-1.4133911092017	--
Spirulina spp.	Plant		280.0	-1.4236607360217535	--
Spirulina pratensis	Plant		280.0	-1.4236607360217535	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Aspalathus linearis	Plant		90.0	-1.443984393362664	--
Hibiscus rosa-sinensis	Flower	40.0	395.0	-1.4871522896371359	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Musa x paradisiaca	Flower		300.0	-1.5134341931691262	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Brassica oleracea	Stem	200.0	2665.0	-1.743501400177818	--
Juglans nigra	Pericarp	371.0	3090.0		--
Phytelephas aequatorialis	Mesocarp	1160.0	3410.0		KOZIOL & PEDERSEN. 1993. PHYTELEPHAS AEQUATORIALIS(AREACEAE) IN HUMAN AND ANIMAL NUTRITION. ECON. BOT. 47:401-307.
Aspalathus linearis	Leaf				--
Lygodium japonicum	Pollen Or Spore		3060.0		--
Opuntia ficus-indica	Be		560.0		--
Linum usitatissimum	Hay		7200.0		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Erythroxylum coca	Plant				--
Cornus florida	Plant				--
Commiphora wightii	Inflorescence				Jim Duke's personal files.
Zea mays	Silk Stigma Style		2520.0		--
Acacia nilotica	Plant				--