

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for CALCIUM

Plant	Part	Low PPM	High PPM	StdDev	Reference
Albizia lebbek	Leaf	10100.0	104000.0	5.846305979214756	Wealth of India.
Cucurbita foetidissima	Leaf		77600.0	4.04245614099012	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Lycopersicon esculentum	Leaf		60800.0	2.894551698483533	--
Ephedra nevadensis	Plant	4500.0	58100.0	4.761149092670062	--
Luffa aegyptiaca	Leaf	560.0	55000.0	2.498251355237212	--
Mimulus glabratus	Shoot	5430.0	54300.0	2.886974542126525	--
Brassica oleracea var. botrytis l.	Leaf	360.0	54247.0	2.4468006382605774	--
Brassica oleracea var. italica	Leaf	360.0	54247.0	2.4468006382605774	--
Lycium chinense	Root Bark		53900.0	2.196634405558688	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.
Amaranthus spinosus	Leaf	4760.0	53335.0	2.3844858256673627	--
Amaranthus sp.	Leaf	1559.0	53333.0	2.384349170376588	--
Achyranthes bidentata	Root	1130.0	52200.0	4.906101246807924	--
Boehmeria nivea	Shoot	4500.0	46000.0	2.2812564083055866	--
Justicia pectoralis	Leaf	6630.0	44200.0	1.7603127850544058	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Taraxacum officinale	Leaf	1870.0	42232.0	1.6258439789322057	--
Liquidambar styraciflua	Stem	2400.0	42000.0	2.5214630013143755	--
Valeriana officinalis	Root	4956.0	42000.0	3.7890171974850206	--
Plectranthus amboinicus	Leaf	2320.0	41430.0	1.5710452073315937	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Carya glabra	Shoot	3800.0	40700.0	1.8944725397211326	--
Paeonia lactiflora	Root	10300.0	40600.0	3.635691935813249	--
Boehmeria nivea	Plant	36000.0	39000.0	2.718086696820638	--
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	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Fraxinus rhynchophylla	Bark		38600.0	1.9047146400469648	--
Rubia cordifolia	Root		37800.0	3.3290414124697065	--
Quercus alba	Bark	8436.0	37000.0	1.7517846719880772	--
Albizia julibrissin	Bark		35500.0	1.60841282693287	--
Acalypha indica	Leaf	6670.0	34205.0	1.0773779694083743	Wealth of India.
Chenopodium album	Leaf	3090.0	33800.0	1.049705273026519	--
Tribulus terrestris	Leaf		33500.0	1.02920697941033	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Carya ovata	Shoot	5250.0	33300.0	1.35443468547114	--
Colubrina texensis	Shoot		32900.0	1.3252434501062755	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Prunus serotina	Leaf	4060.0	32640.0	0.9704452043772547	--
Tabebuia heptaphylla	Bark	5836.0	32600.0	1.3312272598261359	--
Quercus stellata	Stem	5750.0	31920.0	1.4285218250835043	--
Juniperus virginiana	Shoot	7980.0	31680.0	1.2362101822434388	--
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
Arachis hypogaea	Plant	9300.0	31500.0	1.9158370649425922	--
Vicia faba	Seed	220.0	31160.0	4.961258926447746	USDA's Ag Handbook 8 and sequelae)
Fucus vesiculosus	Plant	3587.0	30400.0	1.798173785600479	--
Calendula officinalis	Leaf		30400.0	0.8173912787097098	--
Anogeissus latifolia	Leaf		30300.0	0.8105585141709801	--
Murraya koenigii	Leaf	8100.0	30035.0	0.7924516881433465	--
Peucedanum decursivum	Plant	14400.0	30000.0	1.755387138566983	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Mangifera indica	Leaf	290.0	29300.0	0.7422308687836834	--
Urtica dioica	Leaf	5800.0	29000.0	0.7217325751674943	--
Cassia tora	Sprout Seedling		28100.0	2.6148841826288662	--
Morus alba	Leaf	7000.0	27400.0	0.6124083425478194	--
Acacia catechu	Leaf		27400.0	0.6124083425478194	--
Quercus alba	Stem	4600.0	27360.0	0.9340960548838247	--
Vigna mungo	Fruit		27100.0	5.363728024218889	--
Broussonetia papyrifera	Fruit		26900.0	5.317575949569242	--
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.
Azadirachta indica	Leaf	16700.0	26500.0	0.5509134616992524	--
Senna alexandrina	Leaf	5339.0	26300.0	0.5372479326217929	--
Melia azedarach	Leaf		25500.0	0.4825858163119555	--
Rhus copallina	Leaf	3240.0	24960.0	0.44568888780281524	--
Rhus glabra	Stem	2520.0	24790.0	0.6554394256265491	--
Valerianella radicata	Plant	19884.0	24463.0	1.1631129770058177	--
Cyamopsis tetragonoloba	Leaf		24200.0	0.3937598773084697	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Nasturtium officinale	Herb	1200.0	24000.0	1.0	--
Mimosa pudica	Leaf	350.0	23800.0	0.36642881915355097	--
Carica papaya	Leaf	3440.0	23800.0	0.36642881915355097	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Quercus rubra	Stem	5200.0	23760.0	0.5437599205156565	--
Vigna aconitifolia	Plant	23400.0	23700.0	1.0814974477894244	--
Ocimum basilicum	Leaf	3200.0	23700.0	0.35959605461482125	--
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)

Plant	Part	Low PPM	High PPM	StdDev	Reference
Viburnum opulus	Bark		23540.0	0.46526131569268436	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Sida rhombifolia	Leaf	4660.0	23535.0	0.3483219931259173	--
Glycyrrhiza uralensis	Root	6850.0	23500.0	1.7629333825366154	--
Satureja hortensis	Plant		23429.0	1.052509494424231	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Vigna aconitifolia	Leaf		23400.0	0.3390977609986322	--
Plantago major	Seed	7020.0	23400.0	3.536073250184055	--
Oenothera biennis	Plant	12100.0	23400.0	1.0494074625143026	--
Tamarindus indica	Leaf	1053.0	23000.0	0.3117667028437135	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Glechoma hederacea	Plant	21000.0	23000.0	1.0066208154808067	Chem. & Pharm. Bull. 38: 2205.
Quercus velutina	Stem	5040.0	22940.0	0.4548500232429071	--
Trifolium pratense	Shoot	4800.0	22900.0	0.5954625659846638	--
Symphoricarpos orbiculatus	Stem	2584.0	22880.0	0.44834442100343763	--
Nyssa sylvatica	Leaf	1950.0	22750.0	0.2946847914968893	--
Acacia tortilis	Leaf		22700.0	0.29126840922752445	--
Thymus vulgaris	Plant	16935.0	22534.0	0.9567743716867843	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)
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.
Zizyphus jujuba	Shoot	800.0	21600.0	0.5005910510488544	--
Arachis hypogaea	Leaf	2620.0	21500.0	0.2092752347627683	--
Anethum graveolens	Plant	1900.0	21453.0	0.8411434580787619	--
Rhus copallina	Stem	2450.0	21350.0	0.28245156389696613	--
Annona squamosa	Leaf		21200.0	0.18877694114657925	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Cnidioscolus chayamansa	Leaf	2260.0	21050.0	0.17852779433848473	--
Taraxacum officinale	Plant	12000.0	21000.0	0.7926875803133279	Chem. & Pharm. Bull. 38: 2205.
Chenopodium ambrosioides	Leaf	3000.0	21000.0	0.1751114120691199	--
Panicum maximum	Leaf	7100.0	20900.0	0.1682786475303902	--
Dipsacus fullonum	Plant		20900.0	0.781990918554954	--
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
Portulaca oleracea	Herb	780.0	20800.0	-1.0	--
Apium graveolens	Seed	170.0	20776.0	3.054154794705198	--
Phaseolus vulgaris	Leaf	2740.0	20758.0	0.15857612188539408	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Eryngium floridanum	Shoot		20600.0	0.42761296263669324	--
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	--
Vigna aconitifolia	Fruit		20100.0	3.7484054114812064	--
Bupleurum chinense	Root	2200.0	20000.0	1.3796202283571877	--
Cichorium intybus	Leaf	790.0	19900.0	0.09995100214309341	--
Cyamopsis tetragonoloba	Shoot	7430.0	19800.0	0.3692304919069643	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Zizyphus jujuba	Leaf		19700.0	0.08628547306563406	--
Brassica oleracea var. capitata l.	Leaf	290.0	19500.0	0.07261994398817469	--
Sonchus oleraceus	Leaf	1310.0	19265.0	0.05656294732215994	--
Rhynchosia minima	Shoot		19200.0	0.3254436388596676	--
Brassica oleracea var. viridis l.	Leaf	1170.0	19180.0	0.050755097464239715	--
Lactuca sativa	Leaf	360.0	19140.0	0.04802199164874784	--
Raphanus sativus	Leaf	2380.0	19130.0	0.04733871519487487	--
Berberis vulgaris	Bark		19100.0	0.04088065432927098	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Berberis vulgaris	Root		19100.0	1.281053988711049	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Vanilla planifolia	Fruit		19000.0	3.494569000908142	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Robinia pseudoacacia	Seed		19000.0	2.7279782791067038	--
Akebia quinata	Stem		19000.0	0.027648809517745246	--
Equisetum arvense	Plant	4045.0	18900.0	0.5680576833874751	--
Liquidambar styraciflua	Leaf	3720.0	18860.0	0.028890250940304736	--
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.
Petasites japonicus	Pt	1030.0	18725.0	0.7484589275751646	USDA's Ag Handbook 8 and sequelae)
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	--
Sophora subprostrata	Root		18600.0	1.2262949666854164	--
Rheum rhabarbarum	Pt	600.0	18462.0	0.664932181626536	--
Corchorus olitorius	Leaf	2080.0	18365.0	-0.004931933526407184	--
Prunus serotina	Stem	323.0	18360.0	-0.04174428103659576	--
Tetrapanax papyrifera	Pith		18300.0	1.411124921128867	--
Turnera diffusa	Leaf	3801.0	18100.0	-0.023038759554040836	--
Symphytum officinale	Leaf	1980.0	18000.0	-0.029871524092770517	--
Oenothera biennis	Seed	12700.0	18000.0	2.5443203311345783	--
Plantago asiatica	Plant		18000.0	0.4717877275621095	--
Phaseolus vulgaris	Fruit	356.0	18000.0	3.2638086276599014	--
Ipomoea batatas	Leaf	370.0	17900.0	-0.0367042886315002	--
Brassica nigra	Leaf	1107.0	17867.0	-0.03895910092928099	USDA's Ag Handbook 8 and sequelae)
Diospyros virginiana	Stem	2640.0	17820.0	-0.10029470119182099	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Xanthosoma sagittifolium	Leaf	950.0	17800.0	-0.04353705317022988	--
Vitis vinifera	Stem		17700.0	-0.11330590567075993	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Sassafras albidum	Leaf	2607.0	17680.0	-0.051736370616705496	--
Anethum graveolens	Seed	14003.0	17671.0	2.483896866251749	--
Anethum graveolens	Fruit	14003.0	17671.0	3.1878884648612305	--
Capsella bursa-pastoris	Plant	2080.0	17627.0	0.4318891792033747	--
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.
Colocasia esculenta	Leaf	260.0	17400.0	-0.0708681113251486	--
Vigna mungo	Plant		17400.0	0.40760775701186586	--
Beta vulgaris	Leaf	700.0	17368.0	-0.0730545959775421	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Amphicarpaea bracteata	Shoot		17300.0	0.1867852708765614	--
Cinnamomum burmannii	Bark		17000.0	-0.1598399287480191	--
Carthamus tinctorius	Plant		17000.0	0.3648211099783701	--
Geranium thunbergii	Plant		16900.0	0.3541244482199961	--
Taraxacum mongolicum	Plant		16900.0	0.3541244482199961	--
Mentha pulegium	Plant	9440.0	16870.0	0.35091544969248395	--
Petroselinum crispum	Plant	1000.0	16850.0	0.34877611734080916	--
Cypridium pubescens	Root		16800.0	1.0291624873931393	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Stachys officinalis	Plant	2822.0	16800.0	0.3434277864616222	--
Brassica pekinensis	Leaf	11780.0	16800.0	-0.11186469855752668	--
Paeonia moutan	Root Bark	5150.0	16700.0	-0.2795716516165602	--
Thymus vulgaris	Leaf	2806.0	16700.0	-0.11869746309625637	--
Paeonia suffruticosa	Root Bark	5150.0	16700.0	-0.2795716516165602	--
Tephrosia purpurea	Leaf		16500.0	-0.13236299217371572	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Morus alba	Root Bark	16100.0	16500.0	-0.29288458740782497	--
Trachyspermum ammi	Fruit	15250.0	16469.0	2.9105144962168454	--
Limonia acidissima	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.
Larrea tridentata	Plant	5396.0	16400.0	0.3006411394281264	--
Mentha x rotundifolia	Leaf		16300.0	-0.14602852125117508	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Isatis tinctoria	Root		16300.0	0.9744034653675068	--
Papaver somniferum	Seed	13807.0	16214.0	2.216307236056363	--
Pulsatilla chinensis	Root		16200.0	0.9634516609623802	--
Mentha x piperita	Leaf	2414.0	16200.0	-0.15286128578990477	--
Rosmarinus officinalis	Plant	3170.0	16150.0	0.2738994850321915	USDA's Ag Handbook 8 and sequelae)
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.
Drynaria fortunei	Rhizome		16000.0	1.9755753619705902	--
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	--
Bromelia pinguin	Shoot	1070.0	15800.0	0.07731813825831965	--
Basella alba	Leaf	1090.0	15800.0	-0.18019234394482347	--
Piper betel	Leaf	2300.0	15750.0	-0.18360872621418833	--
Spinacia oleracea	Plant	730.0	15700.0	0.2257645071195088	--
Alocasia macrorrhiza	Leaf	570.0	15700.0	-0.18702510848355317	--
Cuminum cyminum	Fruit	9310.0	15511.0	2.6894460586450313	--
Cuminum cyminum	Seed	9310.0	15511.0	2.087195698631959	--
Equisetum hyemale	Plant		15500.0	0.2043711836027609	--
Sinomenium acutum	Rhizome		15400.0	1.8449495558091702	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Tropaeolum majus</i>	Shoot	2110.0	15400.0	0.04812690289345519	--
<i>Polygonum multiflorum</i>	Rhizome		15300.0	1.8231785881156002	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>Commelina benghalensis</i>	Leaf	2100.0	15215.0	-0.2201640164963921	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Amorphophallus campanulatus</i>	Shoot		15200.0	0.03353128521102296	--
<i>Artemisia capillaris</i>	Plant		15200.0	0.17228119832763905	--
<i>Robinia pseudoacacia</i>	Leaf	12900.0	15000.0	-0.23485446025466092	--
<i>Frangula purshiana</i>	Bark	4100.0	14800.0	-0.3701186348289897	--
<i>Hibiscus sabdariffa</i>	Leaf	2130.0	14792.0	-0.24906661049521867	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Quercus phellos</i>	Stem	2940.0	14700.0	-0.43858601764423344	--
<i>Erythroxylum novogranatense</i>	Leaf	7600.0	14600.0	-0.26218551840957965	--
<i>Nyssa sylvatica</i>	Stem	2850.0	14520.0	-0.4581028243626418	--
<i>Anthriscus cerefolium</i>	Leaf	13460.0	14509.0	-0.26840333413982365	--
<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>Coriandrum sativum</i>	Seed	6465.0	14469.0	1.8958241168450043	--
<i>Piper auritum</i>	Leaf	2570.0	14440.0	-0.2731179416715471	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Jussiaea repens</i>	Plant		14400.0	0.08670790426064749	--
<i>Solanum nigrum</i>	Leaf	1999.0	14400.0	-0.27585104748703904	--
<i>Vigna unguiculata</i>	Seed	253.0	14400.0	1.8831517184349278	--
<i>Rheum rhabarbarum</i>	Leaf	470.0	14400.0	-0.27585104748703904	--
<i>Avena sativa</i>	Plant	3146.0	14300.0	0.07601124250227355	--
<i>Lycium chinense</i>	Leaf	1480.0	14231.0	-0.2873984195574922	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Plant	Part	Low PPM	High PPM	StdDev	Reference
Salix alba	Bark	2369.0	14100.0	-0.4370254958547531	--
Phellodendron amurense	Bark		14100.0	-0.4370254958547531	--
Pisum sativum	Plant	10200.0	14100.0	0.054617918985525656	--
Perilla frutescens	Leaf	1970.0	14071.0	-0.29833084281945965	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Eupatorium perfoliatum	Plant	1260.0	14000.0	0.04392125722715171	--
Petasites japonicus	Plant	13000.0	14000.0	0.04392125722715171	Chem. & Pharm. Bull. 38: 2205.
Citrus mitis	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.
Cinnamomum sieboldii	Bark		14000.0	-0.44658361885843356	--
Foeniculum vulgare	Fruit	880.0	13941.0	2.327152272645294	--
Mentha spicata	Plant	1990.0	13770.0	0.019318935182891635	--
Cinnamomum aromaticum	Bark	4900.0	13569.0	-0.48777912900429643	--
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.
Rhizophora mangle	Leaf		13500.0	-0.3373459283356061	--
Coriandrum sativum	Leaf	1330.0	13441.0	-0.34137725941345665	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Melilotus indica	Plant		13400.0	-0.020258713323091964	--
Nelumbo nucifera	Seed	590.0	13333.0	1.6871886879486702	--
Verbascum thapsus	Leaf	5852.0	13300.0	-0.3510114574130655	--
Foeniculum vulgare	Seed	1415.0	13100.0	1.644396386071165	--
Trifolium pratense	Flower	2358.0	13100.0	2.0277064932464137	--
Erythroxylum novogranatense	Leaf	10200.0	13000.0	-0.37150975102925454	--
Glycine max	Plant	9400.0	13000.0	-0.06304536035658775	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Trigonella foenum-graecum	Leaf		12900.0	-0.3783425155679842	--
Asiasarum heterotropoides	Root	7450.0	12900.0	0.6020421155932054	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Asiasarum sieboldii</i>	Root	7450.0	12900.0	0.6020421155932054	--
<i>Perilla frutescens</i>	Plant		12670.0	-0.09834434415922177	Suzuki, A., Morimoto, I., and Okitsu, T., Elution of Metals from Crude Drugs, <i>Shoykugaku Zasshi</i> 36(3):190-195.
<i>Ipomoea aquatica</i>	Leaf	276.0	12665.0	-0.394399512233999	--
<i>Sesamum indicum</i>	Seed	800.0	12638.0	1.559546414108043	--
<i>Acanthopanax gracilistylis</i>	Root Bark		12600.0	-0.5524868353374881	--
<i>Diospyros virginiana</i>	Leaf	1150.0	12500.0	-0.40567357372290297	--
<i>Rheum palmatum</i>	Rhizome	9630.0	12400.0	1.1918205250020704	--
<i>Artemisia dracunculus</i>	Plant	11390.0	12340.0	-0.1336433279618558	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Stellaria media</i>	Plant		12100.0	-0.15931531618195327	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Rubus idaeus</i>	Leaf	2045.0	12100.0	-0.4330046318778217	--
<i>Vaccinium macrocarpon</i>	Fruit	1440.0	12000.0	1.8792463881704582	--
<i>Fallopia japonica</i>	Plant	11000.0	12000.0	-0.1700119779403272	Chem. & Pharm. Bull. 38: 2205.
<i>Apium graveolens</i>	Pt	313.0	11918.0	-1.4133911092017	--
<i>Olea europaea</i>	Leaf		11800.0	-0.4535029254940107	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Pinus echinata</i>	Shoot	1088.0	11760.0	-0.21751333892681143	--
<i>Cassia tora</i>	Seed		11700.0	1.3872752589101898	--
<i>Atractylodes ovata</i>	Rhizome	5800.0	11600.0	1.01765278345351	--
<i>Anemarrhena asphodeloides</i>	Rhizome	10900.0	11600.0	1.01765278345351	--
<i>Musa x paradisiaca</i>	Sprout Seedling		11600.0	0.6890857085449396	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Euodia rutaecarpa</i>	Fruit		11600.0	1.786942238871162	--
<i>Nardostachys chinensis</i>	Rhizome		11600.0	1.01765278345351	--
<i>Ephedra</i> spp	Plant		11500.0	-0.22349528673219693	--
<i>Euphrasia officinalis</i>	Plant	1771.0	11500.0	-0.22349528673219693	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Psophocarpus tetragonolobus</i>	Leaf	1845.0	11383.0	-0.4819955536205135	--
<i>Atractylodes lancea</i>	Rhizome		11300.0	0.9523398803728	--
<i>Symphytum officinale</i>	Root		11300.0	0.4268132451111813	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Cnicus benedictus</i>	Plant	1490.0	11200.0	-0.2555852720073188	--
<i>Myrica cerifera</i>	Bark	2442.0	11200.0	-0.7142110629614871	--
<i>Pimenta dioica</i>	Leaf	10056.0	11166.0	-0.4968226526695569	--
<i>Allium schoenoprasum</i>	Leaf	690.0	11140.0	-0.4985991714496266	--
<i>Siegesbeckia orientalis</i>	Plant		11100.0	-0.2662819337656927	--
<i>Citrus paradisi</i>	Fruit	117.0	11000.0	1.6484860149222178	--
<i>Ginkgo biloba</i>	Leaf	2640.0	11000.0	-0.5081650418038481	--
<i>Artemisia vulgaris</i>	Plant	8000.0	11000.0	-0.2769785955240667	Chem. & Pharm. Bull. 38: 2205.
<i>Hordeum vulgare</i>	Stem		11000.0	-0.8397648224115174	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Arctostaphylos uva-ursi</i>	Leaf	1264.0	10900.0	-0.5149978063425779	--
<i>Schizonepeta tenuifolia</i>	Plant		10900.0	-0.2876752572824406	--
<i>Panax quinquefolius</i>	Plant	2340.0	10800.0	-0.29837191904081456	--
<i>Salvia officinalis</i>	Leaf	1696.0	10800.0	-0.5218305708813075	--
<i>Malva sylvestris</i>	Leaf	900.0	10715.0	-0.5276384207392277	--
<i>Cyrtosperma chamissonis</i>	Root	1450.0	10630.0	0.35343615559683367	--
<i>Nigella sativa</i>	Seed		10600.0	1.185251516140852	--
<i>Foeniculum vulgare</i>	Leaf	1000.0	10556.0	-0.5385025163558079	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>Sassafras albidum</i>	Stem	913.0	10360.0	-0.9091579129658584	--
<i>Scutellaria baicalensis</i>	Root	4630.0	10300.0	0.3172952010599162	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
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.
Raphanus sativus	Fruit	260.0	10130.0	1.4477244901962487	--
Cichorium endivia	Leaf	462.0	10080.0	-0.5710264755601612	--
Manihot esculenta	Leaf	1450.0	10000.0	-0.576492687191145	--
Peperomia pereskiiifolia	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	--
Rumex crispus	Root	2570.0	10000.0	0.28443978784453666	--
Pinellia ternata	Tuber	4180.0	10000.0	1.8047582353527853	--
Cucumis sativus	Fruit	129.0	10000.0	1.4177256416739774	--
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	--
Cynanchum atratum	Root		9900.0	0.27348798343941016	--
Ulmus rubra	Bark	1602.0	9770.0	-0.8508922219141178	--
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.
Sophora angustifolia	Root	8750.0	9710.0	0.2526795550696698	--
Chrysanthemum coronarium	Leaf	630.0	9690.0	-0.5976742572612069	--
Tetragonia tetragonioides	Leaf	580.0	9665.0	-0.5993824483958894	--
Helianthus tuberosus	Tuber	140.0	9600.0	1.686845136728985	--
Kalmia latifolia	Leaf		9600.0	-0.6038237453460636	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Syzygium aromaticum	Fruit	6460.0	9540.0	1.3115758699797868	--
Syzygium aromaticum	Flower	6460.0	9540.0	1.0428267398370916	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Aframomum melegueta</i>	Fruit	750.0	9500.0	1.3023454550498572	--
<i>Pothomorphe</i> sp.	Leaf	1690.0	9440.0	-0.6147561686080312	--
<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>Elytrigia repens</i>	Plant	3000.0	9280.0	-0.46096117776809853	--
<i>Trichosanthes anguina</i>	Fruit	500.0	9260.0	1.2469629654702794	--
<i>Cinnamomum sieboldii</i>	Root Bark		9000.0	-0.792119679580254	--
<i>Medicago sativa</i>	Plant	1690.0	8990.0	-0.49198149686738296	--
<i>Sechium edule</i>	Shoot	660.0	8920.0	-0.42477111001734913	--
<i>Celosia cristata</i>	Flower		8910.0	0.8685362216775767	--
<i>Viscum album</i>	Leaf		8910.0	-0.6509698206632984	--
<i>Parthenium integrifolium</i>	Root	1424.0	8900.0	0.16396993938814508	--
<i>Cajanus cajan</i>	Plant		8900.0	-0.5016084924499196	--
<i>Prunus persica</i>	Fruit	18.0	8850.0	1.152351212438501	--
<i>Glycyrrhiza glabra</i>	Root	1379.0	8780.0	0.15082777410199327	--
<i>Achillea millefolium</i>	Plant	1535.0	8670.0	-0.5262108144941796	--
<i>Phaseolus lunatus</i>	Seed	250.0	8600.0	0.8179356201966016	--
<i>Artemisia vulgaris</i>	Shoot		8600.0	-0.4481240983092407	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Psophocarpus tetragonolobus</i>	Seed	567.0	8586.0	0.8153644089249918	--
<i>Raphanus sativus</i>	Root	190.0	8570.0	0.1278289848512276	--
<i>Juniperus communis</i>	Fruit	2632.0	8490.0	1.0692774780691343	--
<i>Pueraria pseudohirsuta</i>	Root	5330.0	8300.0	0.09825911295738601	--
<i>Blechnum orientale</i>	Rhizome		8280.0	0.29485665602698624	--
<i>Yucca baccata</i>	Root	1718.0	8260.0	0.09387839119533542	--
<i>Carum carvi</i>	Fruit	6426.0	8160.0	0.993126554897215	--
<i>Althaea officinalis</i>	Root	881.0	8160.0	0.08292658679020891	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Carum carvi	Seed	1530.0	8160.0	0.7371261230888665	--
Gentiana lutea	Root	1791.0	8140.0	0.0807362259091836	--
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
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	--
Pimenta dioica	Fruit	7224.0	8000.0	0.9562048951774965	--
Apium graveolens	Fruit	1680.0	8000.0	0.9562048951774965	--
Acacia tortilis	Fruit		7900.0	0.9331288578526725	--
Pimpinella anisum	Fruit	7138.0	7843.0	0.9199755165775227	--
Pimpinella anisum	Seed	6460.0	7843.0	0.6789065535817028	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Echinacea spp	Root	3290.0	7760.0	0.03911936916970287	Economic & Medicinal Plant Research, 5: 253.
Brassica oleracea var. sabellica l.	Leaf	1200.0	7725.0	-0.7319380804472452	--
Rosa laevigata	Fruit		7620.0	0.8685159533431651	--
Chrysanthemum coronarium	Bud	560.0	7525.0	1.0	--
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
Gentiana scabra	Root		7490.0	0.009549497275861294	--
Rubus chingii	Fruit		7490.0	0.8385171048208939	--
Senna occidentalis	Seed		7450.0	0.6067289800286576	--
Hyoscyamus niger	Seed		7420.0	0.6012192415894938	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Linum usitatissimum	Seed	1820.0	7400.0	0.5975460826300514	--
Lonicera japonica	Flower		7390.0	0.4480257651657314	--
Arctium lappa	Root	1723.0	7330.0	-0.00797338977234112	--
Ruscus aculeatus	Root	2190.0	7250.0	-0.01673483329644233	--
Linum usitatissimum	Hay		7200.0		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Valerianella locusta	Plant	6410.0	7139.0	-0.6899767060148847	--
Solanum torvum	Fruit	1040.0	7125.0	0.7542895685852862	--
Acorus calamus	Rhizome		7040.0	0.024896656626718316	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.
Lobelia inflata	Leaf	793.0	7020.0	-0.7801090704452894	--
Panax japonicus	Rhizome		7000.0	0.016188269549290316	--
Polystichum polyblepharum	Plant	6000.0	6900.0	-0.7155417276173982	--
Rauvolfia serpentina	Seed	3400.0	6900.0	0.5057171086439888	--
Citrus medica	Fruit		6840.0	0.6885228622095376	--
Erythrina berteroana	Shoot	1080.0	6835.0	-0.5769304243567052	--
Chamaemelum nobile	Flower		6720.0	0.262669182361168	--
Senna obtusifolia	Seed	4100.0	6590.0	0.4487831447726299	--
Limonia acidissima	Fruit	1300.0	6540.0	0.6192947502350655	--
Amorphophallus konjac	Leaf	170.0	6538.0	-0.8130429955219665	--
Dendrobium nobile	Stem		6530.0	-1.3244321892519928	--
Spartium junceum	Stem		6500.0	-1.3276849903717276	--
Silybum marianum	Plant		6460.0	-0.7626070393542436	--
Hydrangea arborescens	Root	2261.0	6460.0	-0.10325408809694175	--
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

Plant	Part	Low PPM	High PPM	StdDev	Reference
Morus alba	Fruit	300.0	6400.0	0.5869882979803118	--
Vaccinium myrtillus	Fruit	510.0	6380.0	0.582373090515347	--
Magnolia officinalis	Bark		6350.0	-1.1777800286399904	--
Rhodymenia palmata	Plant		6320.0	-0.7775823658159672	--
Phytolacca americana	Shoot	530.0	6307.0	-0.6154628550383262	--
Abelmoschus manihot	Leaf	724.0	6241.0	-0.8333363062019936	--
Humulus lupulus	Fruit		6222.0	0.545912951542125	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Humulus lupulus	Flower	1157.0	6220.0	0.12434337429806096	--
Belamcanda chinensis	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.
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)
Nepeta cataria	Plant	739.0	6160.0	-0.7946970246293654	--
Taraxacum officinale	Root	878.0	6140.0	-0.13829986219334658	--
Lantana camara	Shoot		6100.0	-0.6305693193396437	--
Phytelephas aequatorialis	Flower	1780.0	6095.0	0.0897619222822842	KOZIOL & PEDERSEN. 1993. PHYTELEPHAS AEQUATORIALIS(ARECACEAE) IN HUMAN AND ANIMAL NUTRITION. ECON. BOT. 47:401-307.
Harpagophytum procumbens	Root	1151.0	6060.0	-0.1470613057174478	--
Brassica napus var. napobrassica	Root	270.0	6040.0	-0.14925166659847308	--
Cinnamomum verum	Bark	3415.0	6000.0	-1.211233459152872	--
Hibiscus sabdariffa	Seed	3200.0	6000.0	0.3404249554690761	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Cimicifuga racemosa	Root	1254.0	5970.0	-0.15691792968206164	--
Actaea racemosa	Root		5970.0	-0.15691792968206164	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Sinapis alba	Seed	4983.0	5850.0	0.3128762632732573	--
Lagenaria siceraria	Fruit	200.0	5830.0	0.4554548852288148	--
Bactris gasipaes	Fruit	89.0	5820.0	0.4531472814963324	--
Chrysanthemum parthenium	Plant		5810.0	-0.8321353407836742	--
Chrysanthemum parthenium	Leaf	1046.0	5810.0	-0.8627855213639186	--
Tanacetum parthenium	Plant		5810.0	-0.8321353407836742	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Cyphomandra betacea	Fruit	39.0	5780.0	0.4439168665664028	--
Schisandra chinensis	Fruit	864.0	5760.0	0.439301659101438	--
Amorphophallus campanulatus	Root	260.0	5720.0	-0.1842974406948779	--
Daucus carota	Root	210.0	5710.0	-0.18539262113539057	--
Solanum melongena	Fruit	120.0	5706.0	0.426840598946033	--
Muntingia calabura	Fruit	640.0	5615.0	0.4058414049804431	--
Citrus sinensis	Fruit	210.0	5615.0	0.4058414049804431	--
Acacia tortilis	Seed		5600.0	0.266961776280226	--
Coccinia grandis	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.
Peganum harmala	Plant		5600.0	-0.8545983304762595	--
Crataegus laevigata	Fruit	1554.0	5570.0	0.3954571881842723	--
Crataegus rhipidophylla	Fruit		5570.0	0.3954571881842723	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Brassica juncea	Leaf	512.0	5565.0	-0.8795257944838063	--
Acacia farnesiana	Seed	3900.0	5500.0	0.24859598148301348	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Capparis spinosa	Leaf		5500.0	-0.8839670914339806	Wealth of India.
Allium ampeloprasum	Leaf	520.0	5472.0	-0.8858802655048249	--
Stevia rebaudiana	Leaf		5440.0	-0.8880667501572184	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Allium cepa	Leaf	420.0	5385.0	-0.8918247706535197	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Chrysanthemum cinerariifolium	Shoot		5300.0	-0.6889517900693726	--
Cynara cardunculus	Flower	120.0	5286.0	-0.13404923516382297	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Canavalia ensiformis	Fruit	330.0	5263.0	0.32461375359706246	--
Platycodon grandiflorum	Root	180.0	5240.0	-0.23686610183948517	--
Inga edulis	Seed	1920.0	5230.0	0.19900833553053968	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Terminalia catappa	Seed	320.0	5100.0	0.1751328022941634	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Psoralea esculenta	Root		5100.0	-0.25219862800666226	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.
Amomum xanthioides	Seed		5090.0	0.17329622281444215	--
Borago officinalis	Leaf	930.0	5005.0	-0.9177892759006925	USDA's Ag Handbook 8 and sequelae)
Acacia farnesiana	Leaf	930.0	5003.0	-0.917925931191467	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Spondias dulcis	Seed		5000.0	0.15676700749695088	--
Piper nigrum	Fruit	2700.0	4989.0	0.26138541132704457	--
Allium sativum var. sativum	Bulb	130.0	4947.0	1.1604999014541306	--
Arundo donax	Plant		4900.0	-0.9294749627848772	--
Benincasa hispida	Fruit	170.0	4870.0	0.23392492691050396	--
Avena sativa	Seed	400.0	4800.0	0.12003541790252584	--
Balanites aegyptiacus	Shoot		4800.0	-0.7254408342754531	--
Vitis vinifera	Fruit	92.0	4774.0	0.2117719310786729	--
Ribes nigrum	Fruit	502.0	4720.0	0.1993108709232679	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
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.
Ceiba pentandra	Seed	2300.0	4700.0	0.10166962310531331	--
Serenoa repens	Fruit	605.0	4640.0	0.18085004106340866	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Aloe vera	Leaf	190.0	4600.0	-0.9454619722825477	--
Passiflora incarnata	Flower	506.0	4600.0	-0.3238322438264058	--
Aloe spp.	Leaf	23.0	4600.0	-0.9454619722825477	--
Scutellaria lateriflora	Plant	623.0	4550.0	-0.966913278939186	--
Myrciaria dubia	Fruit	270.0	4500.0	0.148543588808655	--
Glycine max	Seed	780.0	4440.0	0.05391855663256077	--
Carthamus tinctorius	Flower	620.0	4430.0	-0.3708630185678622	--
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.
Ephedra sinica	Plant	922.0	4390.0	-0.9840279377525842	--
Forsythia suspensa	Fruit		4380.0	0.12085234401886616	--
Momordica charantia	Fruit	130.0	4333.0	0.11000660647619885	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Rumex acetosa	Leaf	430.0	4300.0	-0.9659602658987367	--
Spondias dulcis	Fruit	560.0	4275.0	0.09662250482780091	--
Allium sativum var. sativum	Leaf	580.0	4265.0	-0.9683517334872921	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Pisum sativum	Fruit	430.0	4253.0	0.09154577661633961	--
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
Beta vulgaris	Root	120.0	4200.0	-0.35076486765280085	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Elettaria cardamomum</i>	Seed	3830.0	4177.0	0.005616516315891836	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Ribes uva-crispa</i>	Fruit	185.0	4122.0	0.06131616772082012	--
<i>Lablab purpureus</i>	Seed	500.0	4122.0	-0.004484670822575049	--
<i>Vigna unguiculata</i>	Fruit	500.0	4115.0	0.059700845108082434	USDA's Ag Handbook 8 and sequelae)
<i>Triticum aestivum</i>	Seed	100.0	4100.0	-0.008525145677961804	--
<i>Hordeum vulgare</i>	Seed	160.0	4100.0	-0.008525145677961804	Jim Duke's personal files.*
<i>Brassica oleracea</i> var. <i>botrytis</i> l.	Flower	210.0	4040.0	-0.4787571488570857	--
<i>Eleutherococcus senticosus</i>	Root	840.0	4000.0	-0.3726684764630539	--
<i>Luffa aegyptiaca</i>	Fruit	200.0	4000.0	0.033163402184534785	--
<i>Xanthosoma sagittifolium</i>	Root	59.0	4000.0	-0.3726684764630539	--
<i>Annona glabra</i>	Fruit	520.0	3940.0	0.01931777978964036	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Caulophyllum thalictroides</i>	Root	428.0	3890.0	-0.38471546130869305	--
<i>Notopterygium incisum</i>	Rhizome		3850.0	-0.6695972127981645	--
<i>Asparagus officinalis</i>	Shoot	160.0	3840.0	-0.7954997991511278	--
<i>Angelica laxiflora</i>	Root		3800.0	-0.3945720852733069	--
<i>Balanites aegyptiacus</i>	Fruit	1300.0	3800.0	-0.0129886724651133	--
<i>Allium ampeloprasum</i>	Root	520.0	3796.0	-0.39501015744951196	--
<i>Colocasia esculenta</i>	Root	130.0	3780.0	-0.3967624461543322	--
<i>Crataegus cuneata</i>	Fruit		3770.0	-0.019911483662560514	--
<i>Spondias pinnata</i>	Fruit	360.0	3710.0	-0.03375710605745494	--
<i>Nelumbo nucifera</i>	Rhizome	450.0	3704.0	-0.7013828256307767	--
<i>Genipa americana</i>	Fruit	400.0	3700.0	-0.036064709789937345	--
<i>Pouteria caimito</i>	Fruit	220.0	3700.0	-0.036064709789937345	--
<i>Myrciaria cauliflora</i>	Fruit	60.0	3695.0	-0.037218511656178545	--
<i>Brassica rapa</i>	Root	300.0	3690.0	-0.40661907011894605	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Cymbopogon citratus</i>	Plant		3680.0	-1.0599742362370392	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Raphanus sativus</i>	Seed		3670.0	-0.08749806330597563	--
<i>Tussilago farfara</i>	Flower		3670.0	-0.5811182468237849	--
<i>Apium graveolens</i>	Root	340.0	3635.0	-0.4126425625417656	ACTA AGRIC SCAND SUPPL 22: 1980
<i>Pastinaca sativa</i>	Root	315.0	3525.0	-0.4246895473874048	--
<i>Glycine max</i>	Sprout Seedling	480.0	3504.0	-0.25583940940557376	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Astragalus membranaceus</i>	Root	560.0	3500.0	-0.42742749848868644	--
<i>Vigna aconitifolia</i>	Seed	1360.0	3500.0	-0.11871991446123692	--
<i>Perilla frutescens</i>	Seed	1400.0	3500.0	-0.11871991446123692	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Zingiber officinale</i>	Rhizome	150.0	3458.0	-0.7549394061569589	--
<i>Ophiopogon japonicus</i>	Tuber	870.0	3450.0	-0.1260687546119467	--
<i>Alisma plantago-aquatica</i>	Rhizome	1630.0	3430.0	-0.7610352771111585	--
<i>Vicia faba</i>	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.
<i>Polygala tenuifolia</i>	Root		3420.0	-0.43618894201278763	--
<i>Phytelephas aequatorialis</i>	Mesocarp	1160.0	3410.0		KOZIOL & PEDERSEN. 1993. PHYTELEPHAS AEQUATORIALIS (ARECACEAE) IN HUMAN AND ANIMAL NUTRITION. ECON. BOT. 47:401-307.
<i>Coptis chinensis</i>	Rhizome	1620.0	3410.0	-0.7653894706498725	--
<i>Coptis japonica</i>	Rhizome	1620.0	3410.0	-0.7653894706498725	--
<i>Coptis spp</i>	Rhizome	1620.0	3410.0	-0.7653894706498725	--
<i>Citrullus lanatus</i>	Fruit	100.0	3400.0	-0.10529282176440947	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Hibiscus sabdariffa</i>	Flower	374.0	3400.0	-0.6558141831778627	--
<i>Azadirachta indica</i>	Fruit	1381.0	3400.0	-0.10529282176440947	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Psidium cattleianum	Fruit	210.0	3400.0	-0.10529282176440947	--
Polygonum multiflorum	Root		3370.0	-0.4416648442153509	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Sechium edule	Leaf	592.0	3345.0	-1.0312131672436051	--
Plantago psyllium	Seed	728.0	3340.0	-0.14810518613677695	--
Oryza sativa	Plant	1900.0	3300.0	-1.1006215509188604	--
Phaseolus vulgaris	Seed	510.0	3295.0	-0.1563697937955226	--
Echinacea purpurea	Root	826.0	3290.0	-0.4504262877394521	--
Lepidium sativum	Seed	3100.0	3290.0	-0.1572880835353832	--
Cornus officinalis	Fruit		3250.0	-0.13990687775164554	--
Asimina triloba	Fruit	530.0	3248.0	-0.14036839849814203	--
Citrus limon	Fruit	700.0	3227.0	-0.14521436633635507	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Cyperus rotundus	Rhizome		3180.0	-0.8154626963450835	--
Brassica oleracea var. gemmifera	Leaf	395.0	3177.0	-1.042692211668671	USDA's Ag Handbook 8 and sequelae)
Cucurbita spp	Fruit	200.0	3165.0	-0.159521509477746	--
Cyclanthera pedata	Fruit	130.0	3160.0	-0.1606753113439872	--
Vetiveria zizanioides	Leaf	2800.0	3100.0	-1.047953440363493	--
Stillingia sylvatica	Plant		3100.0	-1.1220148744356082	--
Theobroma cacao	Fruit	1300.0	3095.0	-0.1756747356051228	J Cell Biochem VOL. 22=1995
Juglans nigra	Pericarp	371.0	3090.0		--
Juglans nigra	Fruit		3090.0	-0.176828537471364	--
Juglans nigra	Hull Husk		3090.0	1.0	--
Canavalia ensiformis	Seed	960.0	3090.0	-0.19401967312980825	--
Citrus aurantiifolia	Fruit	90.0	3084.0	-0.17821309971085345	--
Erythrina fusca	Leaf	570.0	3080.0	-1.049319993271239	--
Cucumis melo	Fruit	96.0	3080.0	-0.1791361412038464	--
Citrus reticulata	Fruit	140.0	3077.0	-0.17982842232359114	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Opuntia ficus-indica	Fruit	180.0	3065.0	-0.18259754680257	--
Lygodium japonicum	Pollen Or Spore		3060.0		--
Dioscorea sp.	Root		3060.0	-0.47561543787124305	--
Dioscorea villosa	Root	734.0	3060.0	-0.47561543787124305	--
Plantago psyllium	Hull Husk		3059.0	-1.0	--
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.
Phaseolus lunatus	Sprout Seedling	1090.0	3028.0	-0.3113957775064191	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Allium cepa	Bulb	200.0	3008.0	0.11970003608893207	--
Chenopodium album	Seed		3000.0	-0.21054888844729952	--
Smilax spp	Root	626.0	2980.0	-0.4843768813953443	--
Smilax officinalis	Root	626.0	2980.0	-0.4843768813953443	--
Hydrastis canadensis	Root	823.0	2970.0	-0.48547206183585695	--
Prunus dulcis	Seed	2426.0	2962.0	-0.2175278904702403	--
Cucurbita pepo	Seed	240.0	2960.0	-0.21789520636618454	--
Catha edulis	Leaf		2900.0	-1.0616189694409524	--
Eriodictyon californicum	Leaf	638.0	2900.0	-1.0616189694409524	--
Fragaria spp	Fruit	135.0	2900.0	-0.22067300838852968	--
Curcuma longa	Rhizome	270.0	2898.0	-0.8768568252409509	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Catalpa ovata	Fruit		2890.0	-0.22298061212101208	--
Manihot esculenta	Root	190.0	2890.0	-0.49423350535995814	--
Panax ginseng	Root	611.0	2880.0	-0.4953286858004708	--
Ribes rubrum	Fruit	298.0	2875.0	-0.2264420177197357	--
Phaseolus lunatus	Leaf	80.0	2857.0	-1.064557058192606	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Plant	Part	Low PPM	High PPM	StdDev	Reference
Lablab purpureus	Fruit	500.0	2841.0	-0.23428787041017587	--
Tamarindus indica	Fruit	170.0	2829.0	-0.23705699488915477	--
Abelmoschus esculentus	Seed	2100.0	2820.0	-0.24360731908228206	--
Angelica sinensis	Root	620.0	2820.0	-0.5018997684435467	--
Brosimum alicastrum	Fruit	450.0	2812.0	-0.24097992123437484	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Gleditsia triacanthos	Seed		2800.0	-0.24728047804172457	--
Olea europaea	Fruit	610.0	2798.0	-0.24421056645985023	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
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.
Chrysobalanus icaco	Fruit	290.0	2775.0	-0.24951805504455976	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Aralia cordata	Leaf	130.0	2765.0	-1.0708432015682374	--
Eugenia brasiliensis	Fruit	395.0	2720.0	-0.26220987557321296	--
Sechium edule	Fruit	190.0	2715.0	-0.26336367743945416	--
Scrophularia buergeriana	Root		2670.0	-0.5183274750512364	--
Brassica oleracea	Stem	200.0	2665.0	-1.743501400177818	--
Phyllanthus emblica	Fruit	120.0	2660.0	-0.2760554979681074	--
Abrus precatorius	Leaf	1266.0	2660.0	-1.0780176043339036	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Tamarindus indica	Flower		2650.0	-0.8633028952725232	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Asparagus officinalis	Root	265.0	2650.0	-0.5205178359322618	--
Sophora japonica	Seed		2649.0	-0.27501282818551565	--
Syzygium malaccense	Fruit	55.0	2615.0	-0.2864397147642782	--
Tragopogon porrifolius	Root	480.0	2610.0	-0.5248985576943124	--
Annona muricata	Fruit	140.0	2600.0	-0.2899011203630018	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Calathea macrosepala</i>	Plant	200.0	2600.0	-1.175498183227478	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Corylus avellana</i>	Seed	1300.0	2591.0	-0.2856649891678989	--
<i>Cucurbita maxima</i>	Leaf	364.0	2580.0	-1.0834838159648872	--
<i>Physalis ixocarpa</i>	Fruit	70.0	2580.0	-0.2945163278279666	--
<i>Aconitum carmichaelii</i>	Tuber		2550.0	-0.3913732265154976	--
<i>Solanum tuberosum</i>	Tuber	34.0	2550.0	-0.3913732265154976	--
<i>Moringa oleifera</i>	Fruit	300.0	2545.0	-0.30259294089165506	USDA's Ag Handbook 8 and sequelae)
<i>Zea mays</i>	Silk Stigma Style		2520.0		--
<i>Lepidium meyenii</i>	Root	2470.0	2500.0	-0.5369455425399515	--
<i>Cucurbita pepo</i>	Fruit	210.0	2500.0	-0.31297715768782586	USDA's Ag Handbook 8 and sequelae)
<i>Passiflora quadrangularis</i>	Fruit	90.0	2500.0	-0.31297715768782586	--
<i>Spondias mombin</i>	Fruit	260.0	2500.0	-0.31297715768782586	--
<i>Sicana odorifera</i>	Fruit	210.0	2460.0	-0.3222075726177555	--
<i>Camellia sinensis</i>	Leaf	327.0	2456.0	-1.0919564439929121	--
<i>Lycopersicon esculentum</i>	Fruit	60.0	2400.0	-0.3360531950126499	--
<i>Myristica fragrans</i>	Aril		2400.0	1.0290157581919714	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Eriobotrya japonica</i>	Fruit	180.0	2381.0	-0.3404376421043665	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Lophatherum gracile</i>	Plant		2380.0	-1.1990308390959006	--
<i>Dioscorea bulbifera</i>	Rhizome	690.0	2379.0	-0.9898481475705792	--
<i>Phyllanthus acidus</i>	Fruit	60.0	2326.0	-0.3531294626330197	--
<i>Firmiana simplex</i>	Seed		2310.0	-0.3372728725480661	--
<i>Melia azedarach</i>	Seed		2310.0	-0.3372728725480661	--
<i>Ipomoea batatas</i>	Root	203.0	2300.0	-0.5588491513502045	--
<i>Chaenomeles lagenaria</i>	Fruit		2300.0	-0.35912923233747396	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
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.
Vigna mungo	Seed	1100.0	2220.0	-0.35380208786555734	--
Aegle marmelos	Fruit	850.0	2205.0	-0.3810514677960568	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Glycine max	Fruit	670.0	2200.0	-0.382205269662298	--
Alpinia galanga	Rhizome	310.0	2199.0	-1.029035889419005	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Allium sativum var. sativum	Flower	250.0	2155.0	-1.0002454452549991	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Angelica dahurica	Root		2140.0	-0.576372038398407	--
Gastrodia elata	Rhizome		2140.0	-1.0418807603582114	--
Sorbus aucubaria	Fruit	100.0	2115.0	-0.40181990138839846	--
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.
Eriocaulon sp	Leaf		2070.0	-1.1183309151124086	--
Cichorium intybus	Root	410.0	2050.0	-0.5862286623630208	--
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	--
Bacopa monnieri	Shoot		2020.0	-0.928319920061261	Wealth of India.
Aspalathus linearis	Shoot		2000.0	-0.9297794818295042	--
Myristica fragrans	Seed	1110.0	2000.0	-0.3942068364194249	--
Phoenix dactylifera	Fruit	140.0	2000.0	-0.4283573443119461	--
Phaseolus acutifolius	Seed	1120.0	1966.0	-0.4004512066504771	--
Lupinus albus	Seed	1760.0	1965.0	-0.40063486459844927	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Prunus cerasus</i>	Fruit	140.0	1954.0	-0.43897232148136517	--
<i>Blighia sapida</i>	Aril	400.0	1950.0	0.32563789816201644	--
<i>Artocarpus altilis</i>	Fruit	170.0	1950.0	-0.4398953629743581	--
<i>Glehnia littoralis</i>	Root		1930.0	-0.5993708276491726	--
<i>Byrsonima crassifolia</i>	Fruit	230.0	1920.0	-0.4468181741718053	--
<i>Actinidia chinensis</i>	Fruit	160.0	1910.0	-0.4491257779042877	--
<i>Sophora secundiflora</i>	Seed	500.0	1900.0	-0.4125726312166374	--
<i>Prunus armeniaca</i>	Fruit	134.0	1899.0	-0.45166414201001837	--
<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>Alocasia macrorrhiza</i>	Root	281.0	1875.0	-0.6053943200719922	--
<i>Phaseolus vulgaris</i>	Sprout Seedling	170.0	1828.0	-0.4514538483488865	USDA's Ag Handbook 8 and sequelae)
<i>Bertholletia excelsa</i>	Seed	1300.0	1820.0	-0.4272652670544074	--
<i>Asparagus lucidus</i>	Root		1810.0	-0.6125129929353245	--
<i>Santalum acuminatum</i>	Fruit	420.0	1800.0	-0.47450941896159415	--
<i>Pyrus communis</i>	Fruit	68.0	1776.0	-0.48004766791955195	--
<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>Cistanche salsa</i>	Plant		1730.0	-1.2685591405253311	--
<i>Albizia lebeck</i>	Seed		1720.0	-0.44563106185161994	Wealth of India.
<i>Cnidium officinale</i>	Rhizome		1710.0	-1.1354959214405624	--
<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>Pisum sativum</i>	Seed	230.0	1700.0	-0.44930422081106247	--
<i>Capsicum annuum</i>	Fruit	431.0	1670.0	-0.5045082674838655	--
<i>Polymnia edulis</i>	Root	150.0	1650.0	-0.6300358799835268	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Zingiber officinale	Root	116.0	1650.0	-0.6300358799835268	--
Rubus idaeus	Fruit	220.0	1645.0	-0.5102772768150714	Revised USDA data received 1993.
Vigna unguiculata	Seed	1255.0	1643.0	-0.4597727238454736	USDA's Ag Handbook 8 and sequelae)
Bixa orellana	Seed	970.0	1640.0	-0.46032369768938997	--
Elettaria cardamomum	Fruit	1300.0	1625.0	-0.5148924842800362	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Carica pentagona	Fruit	110.0	1615.0	-0.5172000880125186	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Mauritia flexuosa	Fruit	740.0	1610.0	-0.5183538898787599	J Cell Biochem VOL. 22=1995
Zizyphus jujuba	Fruit	260.0	1602.0	-0.5201999728647457	--
Vigna radiata	Seed	1183.0	1602.0	-0.46730269971233074	USDA's Ag Handbook 8 and sequelae)
Phaseolus coccineus	Seed	600.0	1600.0	-0.467670015608275	--
Mucuna pruriens	Seed	1320.0	1600.0	-0.467670015608275	--
Morinda citrifolia	Leaf	360.0	1600.0	-1.1504449084444381	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Petroselinum crispum	Shoot		1600.0	-0.9589707171943687	--
Cenchrus biflorus	Seed	1440.0	1595.0	-0.4685883053481356	--
Psidium guajava	Fruit	90.0	1582.0	-0.5248151803297106	--
Vigna radiata	Sprout Seedling	110.0	1571.0	-0.4814496185209816	USDA's Ag Handbook 8 and sequelae)
Gliricidia sepium	Flower	220.0	1570.0	-1.1620866406888344	--
Cola acuminata	Seed	580.0	1563.0	-0.4744653596832436	--
Capsicum frutescens	Fruit	175.0	1560.0	-0.5298919085411719	--
Arisaema consanguineum	Rhizome		1550.0	-1.1703294697502744	--
Zizyphus spina-christi	Fruit	1400.0	1544.0	-0.5335840745131437	--
Cajanus cajan	Seed	290.0	1540.0	-0.4786894924866025	--
Prunus armeniaca	Seed	930.0	1522.0	-0.4819953355501007	Suziki, A., Morimoto, I., and Okitsu, T., Elution of Metals from Crude Drugs, Shoykugaku Zasshi 36(3):190-195.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Nelumbo nucifera	Fruit	1360.0	1511.0	-0.5411991668303356	--
Sclerocarya caffra	Seed	1430.0	1490.0	-0.48787238988520876	--
Pistacia vera	Seed	1066.0	1464.0	-0.492647496532484	--
Annona cherimola	Fruit	78.0	1455.0	-0.5541217477322371	--
Juncus effusus	Pith		1440.0	-0.6246622582977759	--
Sambucus nigra	Fruit	235.0	1440.0	-0.5575831533309608	--
Quisqualis indica	Fruit		1430.0	-0.5598907570634432	--
Dioscorea pentaphylla	Root	260.0	1400.0	-0.6574153909963432	--
Mangifera indica	Fruit	92.0	1400.0	-0.5668135682608904	--
Malpighia glabra	Fruit	120.0	1400.0	-0.5668135682608904	--
Cannabis sativa	Seed	1200.0	1389.0	-0.5064218426303934	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Pachyrhizus erosus	Tuber	150.0	1380.0	-0.7362690399901138	--
Allium ampeloprasum	Flower	230.0	1361.0	-1.2199068284592132	--
Elaeis guineensis	Fruit	820.0	1360.0	-0.57604398319082	--
Plantago major	Shoot	860.0	1340.0	-0.9779450201815306	--
Annona squamosa	Fruit	216.0	1335.0	-0.581812992522026	--
Carthamus tinctorius	Seed	1260.0	1324.0	-0.5183596092485815	--
Ananas comosus	Fruit	62.0	1308.0	-0.5880435225997285	--
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
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
Canna indica	Root	150.0	1300.0	-0.6683671954014696	--
Coffea arabica	Seed	1200.0	1281.0	-0.5262569010113829	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Annona reticulata</i>	Fruit	176.0	1270.0	-0.5968124167831617	--
<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>Helianthus annuus</i>	Seed	917.0	1225.0	-0.5365417460978219	USDA's Ag Handbook 8 and sequelae)
<i>Cicer arietinum</i>	Seed	1020.0	1220.0	-0.5374600358376825	USDA's Ag Handbook 8 and sequelae)
<i>Chrysophyllum cainito</i>	Fruit	75.0	1220.0	-0.6083504354455737	--
<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>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>	Fruit	130.0	1190.0	-0.6152732466430209	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Carica papaya</i>	Fruit	159.0	1180.0	-0.6175808503755033	--
<i>Lycium chinense</i>	Fruit	225.0	1170.0	-0.6198884541079857	--
<i>Rehmannia glutinosa</i>	Root		1150.0	-0.6847949020091594	--
<i>Fagopyrum esculentum</i>	Seed	241.0	1140.0	-0.5521526716754526	--
<i>Rubus chamaemorus</i>	Fruit	150.0	1125.0	-0.6302726709041565	--
<i>Gliricidia sepium</i>	Leaf	170.0	1110.0	-1.1839254546842135	--
<i>Stellaria media</i>	Shoot	400.0	1110.0	-0.9947299805163277	--
<i>Passiflora foetida</i>	Fruit	200.0	1110.0	-0.63373407650288	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Annona cherimola</i>	Seed	860.0	1110.0	-0.5576624101146164	--
<i>Annona diversifolia</i>	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.
<i>Lantana camara</i>	Fruit		1100.0	-0.6360416802353624	--
<i>Theobroma cacao</i>	Seed	800.0	1100.0	-0.5594989895943375	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Plant	Part	Low PPM	High PPM	StdDev	Reference
Juglans regia	Seed	610.0	1100.0	-0.5594989895943375	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Carya ovata	Seed		1095.0	-0.5604172793341982	--
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.
Macadamia spp	Seed	355.0	1075.0	-0.5640904382936407	USDA's Ag Handbook 8 and sequelae)
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.
Vitellaria paradoxa	Seed		1070.0	-0.5650087280335013	--
Areca catechu	Seed	500.0	1050.0	-0.5686818869929439	--
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	--
Artocarpus heterophyllus	Seed	500.0	1033.0	-0.57180407210847	--
Lupinus mutabilis	Seed	900.0	1000.0	-0.5778647843915501	--
Mammea americana	Fruit	40.0	985.0	-0.6625791231589101	--
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.
Lupinus mutabilis	Fruit	280.0	980.0	-0.6637329250251514	--
Solanum quitoensis	Fruit	60.0	975.0	-0.6648867268913925	--
Prunus persica	Seed		970.0	-0.5833745228307139	--
Arachis hypogaea	Seed	560.0	969.0	-0.5835581807786859	--
Persea americana	Fruit	60.0	964.0	-0.6674250909971232	--
Quercus rubra	Seed		947.0	-0.5875986556340728	--
Vigna subterranea	Seed	100.0	945.0	-0.587965971530017	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
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.
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
Genipa americana	Seed		900.0	-0.5962305791887627	--
Acrocomia totai	Fruit		900.0	-0.6821937548850106	--
Pouteria campechiana	Fruit	220.0	895.0	-0.6833475567512518	--
Gymnema sylvestre	Leaf	169.0	890.0	-1.1989575366694187	--
Inga feuillei	Aril	140.0	875.0	-1.3546536563539873	J Cell Biochem VOL. 22=1995
Pachira macrocarpa	Seed	830.0	875.0	-0.6008220278880657	--
Aleurites moluccana	Seed	800.0	860.0	-0.6035768971076476	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Lens culinaris	Sprout Seedling	244.0	853.0	-0.5652510309083912	USDA's Ag Handbook 8 and sequelae)
Allium sativum var. sativum	Root	315.0	850.0	-0.7176503152245389	--
Anacardium occidentale	Fruit	100.0	833.0	-0.6976546998926427	--
Chamissoa altissima	Leaf	80.0	825.0	-1.203398833619593	Tramil
Artocarpus altilis	Seed	110.0	825.0	-0.610004925286672	--
Anacardium occidentale	Seed	240.0	823.0	-0.6103722411826162	--
Passiflora ligularis	Fruit	56.0	810.0	-0.7029621884773523	--
Cydonia oblonga	Fruit	60.0	805.0	-0.7041159903435934	--
Passiflora edulis	Seed		800.0	-0.6145963739859751	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Acrocomia totai	Seed		800.0	-0.6145963739859751	--
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.
Carya illinoensis	Seed	618.0	763.0	-0.6213917180609437	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Vigna angularis	Seed	660.0	762.0	-0.6215753760089159	--
Diospyros virginiana	Fruit	270.0	758.0	-0.7149617278862607	--
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
Trigonella foenum-graecum	Seed	95.0	730.0	-0.6274524303440239	--
Curcuma longa	Plant	226.0	730.0	-1.3755257581090707	--
Juglans cinerea	Seed	512.0	724.0	-0.6285543780318567	--
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.
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.
Psophocarpus tetragonolobus	Tuber	300.0	704.0	-0.9355421766643365	--
Secale cereale	Seed	315.0	685.0	-0.6357170380027696	--
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	--
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	--
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	--
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.
Sphenostylis stenocarpa	Seed	550.0	607.0	-0.6500423579445953	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Lens culinaris</i>	Seed	386.0	604.0	-0.6505933317885116	--
<i>Perideridia gairdneri</i>	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.
<i>Durio zibethinus</i>	Fruit	76.0	600.0	-0.7514218668594826	--
<i>Physalis peruviana</i>	Fruit	80.0	585.0	-0.7548832724582063	--
<i>Malus domestica</i>	Fruit	43.0	570.0	-0.75834467805693	--
<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.
<i>Opuntia ficus-indica</i>	Be		560.0		--
<i>Melicoccus bijugatas</i>	Fruit	34.0	555.0	-0.7618060836556535	--
<i>Allium sativum</i> var. <i>sativum</i>	Shoot	120.0	538.0	-1.0364734470880839	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<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>Castanea sativa</i>	Seed	220.0	528.0	-0.6645513358343932	--
<i>Crescentia alata</i>	Seed	500.0	518.0	-0.6663879153141145	--
<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>Tropaeolum tuberosum</i>	Root	70.0	500.0	-0.7559816306424817	--
<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.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Theobroma speciosum</i>	Fruit	190.0	485.0	-0.7779593097830303	J Cell Biochem VOL. 22=1995
<i>Cocos nucifera</i>	Seed	71.0	476.0	-0.6741015491289437	--
<i>Pueraria montana</i>	Root	150.0	475.0	-0.7587195817437633	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Maranta arundinacea</i>	Root	150.0	467.0	-0.7595957260961734	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Eugenia floribunda</i>	Fruit	60.0	465.0	-0.7825745172479952	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Casimiroa edulis</i>	Fruit	80.0	455.0	-0.7848821209804776	--
<i>Bixa orellana</i>	Fruit	70.0	450.0	-0.7860359228467187	--
<i>Phoenix dactylifera</i>	Seed	18.0	436.0	-0.6814478670478287	Abstract (See species file)
<i>Castanea dentata</i>	Seed	240.0	427.0	-0.6831007885795778	--
<i>Passiflora quadrangularis</i>	Seed	90.0	415.0	-0.6853046839552434	--
<i>Vaccinium corymbosum</i>	Fruit	58.0	400.0	-0.7975739415091307	--
<i>Fritillaria thunbergii</i>	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.
<i>Hibiscus rosa-sinensis</i>	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.
<i>Simmondsia chinensis</i>	Seed		372.0	-0.6932019757180448	--
<i>Ullucus tuberosus</i>	Root	30.0	365.0	-0.7707665665894025	--
<i>Oryza sativa</i>	Seed	71.0	364.0	-0.6946712393018217	--
<i>Castanea mollissima</i>	Seed	160.0	356.0	-0.6961405028855987	--
<i>Musa x paradisiaca</i>	Flower		300.0	-1.5134341931691262	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Dioscorea alata</i>	Root	44.0	290.0	-0.7789804198932474	--
<i>Sphenostylis stenocarpa</i>	Root	100.0	284.0	-0.7796375281575549	--
<i>Coix lacryma-jobi</i>	Seed	50.0	282.0	-0.709731191035536	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Spirulina spp.	Plant		280.0	-1.4236607360217535	--
Pinus pinea	Seed	260.0	280.0	-0.7100985069314802	USDA's Ag Handbook 8 and sequelae)
Spirulina pratensis	Plant		280.0	-1.4236607360217535	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Eleocharis dulcis	Tuber	40.0	265.0	-1.0649518024039575	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Oxalis tuberosa	Root	40.0	247.0	-0.7836896957874517	--
Amorphophallus konjac	Root		234.0	-0.7851134303601183	--
Ginkgo biloba	Seed	20.0	230.0	-0.7192814043300865	--
Spondias tuberosa	Fruit		200.0	-0.8437260161587788	--
Theobroma bicolor	Fruit	158.0	184.0	-0.8474181821307507	--
Zea mays	Seed	10.0	181.0	-0.7282806437807207	--
Pinus cembroides	Seed	120.0	145.0	-0.7348923299077171	USDA's Ag Handbook 8 and sequelae)
Pinus edulis	Seed	59.0	117.0	-0.7400347524509366	--
Musa x paradisiaca	Pith		100.0	-0.7864626628310915	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Murraya sp	Fruit	20.0	95.0	-0.8679558553498441	--
Musa x paradisiaca	Fruit	20.0	95.0	-0.8679558553498441	--
Aspalathus linearis	Plant		90.0	-1.443984393362664	--
Areca catechu	Sprout Seedling		60.0	-0.6578060727234551	--
Aspalathus linearis	Leaf				--
Erythroxylum coca	Plant				--
Cornus florida	Plant				--
Commiphora wightii	Inflorescence				Jim Duke's personal files.
Acacia nilotica	Plant				--