

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for CALCIUM

Plant	Part	Low PPM	High PPM	StdDev	Reference
Boehmeria nivea	Plant	36000.0	39000.0	2.718086696820638	--
Vigna aconitifolia	Plant	23400.0	23700.0	1.0814974477894244	--
Glechoma hederacea	Plant	21000.0	23000.0	1.0066208154808067	Chem. & Pharm. Bull. 38: 2205.
Valerianella radicata	Plant	19884.0	24463.0	1.1631129770058177	--
Coffea arabica	Leaf	19000.0	20406.0	0.1345247907090656	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Origanum majorana	Plant	17925.0	23625.0	1.073474951470644	USDA's Ag Handbook 8 and sequelae)
Thymus vulgaris	Plant	16935.0	22534.0	0.9567743716867843	USDA's Ag Handbook 8 and sequelae)
Azadirachta indica	Leaf	16700.0	26500.0	0.5509134616992524	--
Morus alba	Root Bark	16100.0	16500.0	-0.29288458740782497	--
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.
Trachyspermum ammi	Fruit	15250.0	16469.0	2.9105144962168454	--
Peucedanum decursivum	Plant	14400.0	30000.0	1.755387138566983	--
Origanum vulgare	Plant	14070.0	18794.0	0.5567192219235987	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Anethum graveolens	Seed	14003.0	17671.0	2.483896866251749	--
Anethum graveolens	Fruit	14003.0	17671.0	3.1878884648612305	--
Papaver somniferum	Seed	13807.0	16214.0	2.216307236056363	--
Anthriscus cerefolium	Leaf	13460.0	14509.0	-0.26840333413982365	--
Petasites japonicus	Plant	13000.0	14000.0	0.04392125722715171	Chem. & Pharm. Bull. 38: 2205.
Robinia pseudoacacia	Leaf	12900.0	15000.0	-0.23485446025466092	--
Oenothera biennis	Seed	12700.0	18000.0	2.5443203311345783	--
Oenothera biennis	Plant	12100.0	23400.0	1.0494074625143026	--
Taraxacum officinale	Plant	12000.0	21000.0	0.7926875803133279	Chem. & Pharm. Bull. 38: 2205.
Brassica pekinensis	Leaf	11780.0	16800.0	-0.11186469855752668	--
Artemisia dracunculul	Plant	11390.0	12340.0	-0.1336433279618558	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Plant	Part	Low PPM	High PPM	StdDev	Reference
Fallopia japonica	Plant	11000.0	12000.0	-0.1700119779403272	Chem. & Pharm. Bull. 38: 2205.
Anemarrhena asphodeloides	Rhizome	10900.0	11600.0	1.01765278345351	--
Paeonia lactiflora	Root	10300.0	40600.0	3.635691935813249	--
Erythroxylum novogranatense	Leaf	10200.0	13000.0	-0.37150975102925454	--
Pisum sativum	Plant	10200.0	14100.0	0.054617918985525656	--
Albizia lebeck	Leaf	10100.0	104000.0	5.846305979214756	Wealth of India.
Pimenta dioica	Leaf	10056.0	11166.0	-0.4968226526695569	--
Rheum palmatum	Rhizome	9630.0	12400.0	1.1918205250020704	--
Mentha pulegium	Plant	9440.0	16870.0	0.35091544969248395	--
Glycine max	Plant	9400.0	13000.0	-0.06304536035658775	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Cuminum cyminum	Fruit	9310.0	15511.0	2.6894460586450313	--
Cuminum cyminum	Seed	9310.0	15511.0	2.087195698631959	--
Arachis hypogaea	Plant	9300.0	31500.0	1.9158370649425922	--
Sophora angustifolia	Root	8750.0	9710.0	0.2526795550696698	--
Quercus alba	Bark	8436.0	37000.0	1.7517846719880772	--
Murraya koenigii	Leaf	8100.0	30035.0	0.7924516881433465	--
Artemisia vulgaris	Plant	8000.0	11000.0	-0.2769785955240667	Chem. & Pharm. Bull. 38: 2205.
Juniperus virginiana	Shoot	7980.0	31680.0	1.2362101822434388	--
Erythroxylum novogranatense	Leaf	7600.0	14600.0	-0.26218551840957965	--
Asiasarum heterotropoides	Root	7450.0	12900.0	0.6020421155932054	--
Asiasarum sieboldii	Root	7450.0	12900.0	0.6020421155932054	--
Cyamopsis tetragonoloba	Shoot	7430.0	19800.0	0.3692304919069643	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Pimenta dioica	Fruit	7224.0	8000.0	0.9562048951774965	--
Pimpinella anisum	Fruit	7138.0	7843.0	0.9199755165775227	--
Panicum maximum	Leaf	7100.0	20900.0	0.1682786475303902	--
Plantago major	Seed	7020.0	23400.0	3.536073250184055	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Morus alba	Leaf	7000.0	27400.0	0.6124083425478194	--
Glycyrrhiza uralensis	Root	6850.0	23500.0	1.7629333825366154	--
Acalypha indica	Leaf	6670.0	34205.0	1.0773779694083743	Wealth of India.
Justicia pectoralis	Leaf	6630.0	44200.0	1.7603127850544058	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Coriandrum sativum	Seed	6465.0	14469.0	1.8958241168450043	--
Syzygium aromaticum	Fruit	6460.0	9540.0	1.3115758699797868	--
Syzygium aromaticum	Flower	6460.0	9540.0	1.0428267398370916	--
Pimpinella anisum	Seed	6460.0	7843.0	0.6789065535817028	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Carum carvi	Fruit	6426.0	8160.0	0.993126554897215	--
Valerianella locusta	Plant	6410.0	7139.0	-0.6899767060148847	--
Polystichum polyblepharum	Plant	6000.0	6900.0	-0.7155417276173982	--
Verbascum thapsus	Leaf	5852.0	13300.0	-0.3510114574130655	--
Tabebuia heptaphylla	Bark	5836.0	32600.0	1.3312272598261359	--
Atractylodes ovata	Rhizome	5800.0	11600.0	1.01765278345351	--
Urtica dioica	Leaf	5800.0	29000.0	0.7217325751674943	--
Quercus stellata	Stem	5750.0	31920.0	1.4285218250835043	--
Mimulus glabratus	Shoot	5430.0	54300.0	2.886974542126525	--
Larrea tridentata	Plant	5396.0	16400.0	0.3006411394281264	--
Senna alexandrina	Leaf	5339.0	26300.0	0.5372479326217929	--
Pueraria pseudohirsuta	Root	5330.0	8300.0	0.09825911295738601	--
Carya ovata	Shoot	5250.0	33300.0	1.35443468547114	--
Quercus rubra	Stem	5200.0	23760.0	0.5437599205156565	--
Paeonia moutan	Root Bark	5150.0	16700.0	-0.2795716516165602	--
Paeonia suffruticosa	Root Bark	5150.0	16700.0	-0.2795716516165602	--
Quercus velutina	Stem	5040.0	22940.0	0.4548500232429071	--
Sinapis alba	Seed	4983.0	5850.0	0.3128762632732573	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Valeriana officinalis	Root	4956.0	42000.0	3.7890171974850206	--
Cinnamomum aromaticum	Bark	4900.0	13569.0	-0.48777912900429643	--
Trifolium pratense	Shoot	4800.0	22900.0	0.5954625659846638	--
Amaranthus spinosus	Leaf	4760.0	53335.0	2.3844858256673627	--
Sida rhombifolia	Leaf	4660.0	23535.0	0.3483219931259173	--
Scutellaria baicalensis	Root	4630.0	10300.0	0.3172952010599162	--
Quercus alba	Stem	4600.0	27360.0	0.9340960548838247	--
Ephedra nevadensis	Plant	4500.0	58100.0	4.761149092670062	--
Boehmeria nivea	Shoot	4500.0	46000.0	2.2812564083055866	--
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.
Pinellia ternata	Tuber	4180.0	10000.0	1.8047582353527853	--
Senna obtusifolia	Seed	4100.0	6590.0	0.4487831447726299	--
Frangula purshiana	Bark	4100.0	14800.0	-0.3701186348289897	--
Prunus serotina	Leaf	4060.0	32640.0	0.9704452043772547	--
Equisetum arvense	Plant	4045.0	18900.0	0.5680576833874751	--
Acacia farnesiana	Seed	3900.0	5500.0	0.24859598148301348	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Elettaria cardamomum	Seed	3830.0	4177.0	0.005616516315891836	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Turnera diffusa	Leaf	3801.0	18100.0	-0.023038759554040836	--
Carya glabra	Shoot	3800.0	40700.0	1.8944725397211326	--
Liquidambar styraciflua	Leaf	3720.0	18860.0	0.028890250940304736	--
Fucus vesiculosus	Plant	3587.0	30400.0	1.798173785600479	--
Carica papaya	Leaf	3440.0	23800.0	0.36642881915355097	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Cinnamomum verum	Bark	3415.0	6000.0	-1.211233459152872	--
Rauvolfia serpentina	Seed	3400.0	6900.0	0.5057171086439888	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Echinacea spp	Root	3290.0	7760.0	0.03911936916970287	Economic & Medicinal Plant Research, 5: 253.
Rhus copallina	Leaf	3240.0	24960.0	0.44568888780281524	--
Hibiscus sabdariffa	Seed	3200.0	6000.0	0.3404249554690761	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Ocimum basilicum	Leaf	3200.0	23700.0	0.35959605461482125	--
Rosmarinus officinalis	Plant	3170.0	16150.0	0.2738994850321915	USDA's Ag Handbook 8 and sequelae)
Avena sativa	Plant	3146.0	14300.0	0.07601124250227355	--
Malva parviflora	Plant	3120.0	23650.0	1.0761491169102375	--
Lepidium sativum	Seed	3100.0	3290.0	-0.1572880835353832	--
Chenopodium album	Leaf	3090.0	33800.0	1.049705273026519	--
Chenopodium ambrosioides	Leaf	3000.0	21000.0	0.1751114120691199	--
Elytrigia repens	Plant	3000.0	9280.0	-0.46096117776809853	--
Quercus phellos	Stem	2940.0	14700.0	-0.43858601764423344	--
Nyssa sylvatica	Stem	2850.0	14520.0	-0.4581028243626418	--
Stachys officinalis	Plant	2822.0	16800.0	0.3434277864616222	--
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.
Thymus vulgaris	Leaf	2806.0	16700.0	-0.11869746309625637	--
Vetiveria zizanioides	Leaf	2800.0	3100.0	-1.047953440363493	--
Phaseolus vulgaris	Leaf	2740.0	20758.0	0.15857612188539408	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Piper nigrum	Fruit	2700.0	4989.0	0.26138541132704457	--
Momordica charantia	Leaf	2640.0	18701.0	0.018026155323724542	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Ginkgo biloba	Leaf	2640.0	11000.0	-0.5081650418038481	--
Diospyros virginiana	Stem	2640.0	17820.0	-0.10029470119182099	--
Juniperus communis	Fruit	2632.0	8490.0	1.0692774780691343	--
Arachis hypogaea	Leaf	2620.0	21500.0	0.2092752347627683	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Sassafras albidum	Leaf	2607.0	17680.0	-0.051736370616705496	--
Symphoricarpos orbiculatus	Stem	2584.0	22880.0	0.44834442100343763	--
Rumex crispus	Root	2570.0	10000.0	0.28443978784453666	--
Piper auritum	Leaf	2570.0	14440.0	-0.2731179416715471	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Solanum melongena	Leaf	2540.0	18676.0	0.016317964189042123	--
Rhus glabra	Stem	2520.0	24790.0	0.6554394256265491	--
Lepidium meyenii	Root	2470.0	2500.0	-0.5369455425399515	--
Rhus copallina	Stem	2450.0	21350.0	0.28245156389696613	--
Myrica cerifera	Bark	2442.0	11200.0	-0.7142110629614871	--
Prunus dulcis	Seed	2426.0	2962.0	-0.2175278904702403	--
Mentha x piperita	Leaf	2414.0	16200.0	-0.15286128578990477	--
Liquidambar styraciflua	Stem	2400.0	42000.0	2.5214630013143755	--
Raphanus sativus	Leaf	2380.0	19130.0	0.04733871519487487	--
Salix alba	Bark	2369.0	14100.0	-0.4370254958547531	--
Trifolium pratense	Flower	2358.0	13100.0	2.0277064932464137	--
Panax quinquefolius	Plant	2340.0	10800.0	-0.29837191904081456	--
Plectranthus amboinicus	Leaf	2320.0	41430.0	1.5710452073315937	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Ceiba pentandra	Seed	2300.0	4700.0	0.10166962310531331	--
Piper betel	Leaf	2300.0	15750.0	-0.18360872621418833	--
Hydrangea arborescens	Root	2261.0	6460.0	-0.10325408809694175	--
Cnidioscolus chayamansa	Leaf	2260.0	21050.0	0.17852779433848473	--
Bupleurum chinense	Root	2200.0	20000.0	1.3796202283571877	--
Inula helenium	Root	2200.0	10000.0	0.28443978784453666	--
Ruscus aculeatus	Root	2190.0	7250.0	-0.01673483329644233	--
Hibiscus sabdariffa	Leaf	2130.0	14792.0	-0.24906661049521867	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Tropaeolum majus</i>	Shoot	2110.0	15400.0	0.04812690289345519	--
<i>Abelmoschus esculentus</i>	Seed	2100.0	2820.0	-0.24360731908228206	--
<i>Commelina benghalensis</i>	Leaf	2100.0	15215.0	-0.2201640164963921	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Capsella bursa-pastoris</i>	Plant	2080.0	17627.0	0.4318891792033747	--
<i>Corchorus olitorius</i>	Leaf	2080.0	18365.0	-0.004931933526407184	--
<i>Rubus idaeus</i>	Leaf	2045.0	12100.0	-0.4330046318778217	--
<i>Solanum nigrum</i>	Leaf	1999.0	14400.0	-0.27585104748703904	--
<i>Mentha spicata</i>	Plant	1990.0	13770.0	0.019318935182891635	--
<i>Symphytum officinale</i>	Leaf	1980.0	18000.0	-0.029871524092770517	--
<i>Perilla frutescens</i>	Leaf	1970.0	14071.0	-0.29833084281945965	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Nyssa sylvatica</i>	Leaf	1950.0	22750.0	0.2946847914968893	--
<i>Inga edulis</i>	Seed	1920.0	5230.0	0.19900833553053968	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Anethum graveolens</i>	Plant	1900.0	21453.0	0.8411434580787619	--
<i>Oryza sativa</i>	Plant	1900.0	3300.0	-1.1006215509188604	--
<i>Taraxacum officinale</i>	Leaf	1870.0	42232.0	1.6258439789322057	--
<i>Psophocarpus tetragonolobus</i>	Leaf	1845.0	11383.0	-0.4819955536205135	--
<i>Linum usitatissimum</i>	Seed	1820.0	7400.0	0.5975460826300514	--
<i>Armoracia rusticana</i>	Root	1800.0	10000.0	0.28443978784453666	--
<i>Gentiana lutea</i>	Root	1791.0	8140.0	0.0807362259091836	--
<i>Phytelephas aequatorialis</i>	Flower	1780.0	6095.0	0.0897619222822842	KOZIOL & PEDERSEN. 1993. PHYTELEPHAS AEQUATORIALIS(ARECACEAE) IN HUMAN AND ANIMAL NUTRITION. ECON. BOT. 47:401-307.
<i>Euphrasia officinalis</i>	Plant	1771.0	11500.0	-0.22349528673219693	--
<i>Lupinus albus</i>	Seed	1760.0	1965.0	-0.40063486459844927	--
<i>Arctium lappa</i>	Root	1723.0	7330.0	-0.00797338977234112	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Yucca baccata</i>	Root	1718.0	8260.0	0.09387839119533542	--
<i>Centella asiatica</i>	Leaf	1700.0	15890.0	-0.17404285585996676	--
<i>Salvia officinalis</i>	Leaf	1696.0	10800.0	-0.5218305708813075	--
<i>Pothomorphe</i> sp.	Leaf	1690.0	9440.0	-0.6147561686080312	--
<i>Medicago sativa</i>	Plant	1690.0	8990.0	-0.49198149686738296	--
<i>Apium graveolens</i>	Fruit	1680.0	8000.0	0.9562048951774965	--
<i>Alisma plantago-aquatica</i>	Rhizome	1630.0	3430.0	-0.7610352771111585	--
<i>Coptis chinensis</i>	Rhizome	1620.0	3410.0	-0.7653894706498725	--
<i>Coptis japonica</i>	Rhizome	1620.0	3410.0	-0.7653894706498725	--
<i>Coptis</i> spp	Rhizome	1620.0	3410.0	-0.7653894706498725	--
<i>Ulmus rubra</i>	Bark	1602.0	9770.0	-0.8508922219141178	--
<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>Amaranthus</i> sp.	Leaf	1559.0	53333.0	2.384349170376588	--
<i>Crataegus laevigata</i>	Fruit	1554.0	5570.0	0.3954571881842723	--
<i>Achillea millefolium</i>	Plant	1535.0	8670.0	-0.5262108144941796	--
<i>Carum carvi</i>	Seed	1530.0	8160.0	0.7371261230888665	--
<i>Rosa canina</i>	Fruit	1515.0	8100.0	0.9792809325023206	--
<i>Peperomia pereskiiifolia</i>	Leaf	1500.0	10000.0	-0.576492687191145	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Cnicus benedictus</i>	Plant	1490.0	11200.0	-0.2555852720073188	--
<i>Lycium chinense</i>	Leaf	1480.0	14231.0	-0.2873984195574922	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Cyrtosperma chamissonis</i>	Root	1450.0	10630.0	0.35343615559683367	--
<i>Manihot esculenta</i>	Leaf	1450.0	10000.0	-0.576492687191145	--
<i>Cenchrus biflorus</i>	Seed	1440.0	1595.0	-0.4685883053481356	--
<i>Vaccinium macrocarpon</i>	Fruit	1440.0	12000.0	1.8792463881704582	--
<i>Sclerocarya caffra</i>	Seed	1430.0	1490.0	-0.48787238988520876	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Parthenium integrifolium	Root	1424.0	8900.0	0.16396993938814508	--
Silybum marianum	Leaf	1421.0	6460.0	-0.8183725518621756	--
Foeniculum vulgare	Seed	1415.0	13100.0	1.644396386071165	--
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.
Perilla frutescens	Seed	1400.0	3500.0	-0.11871991446123692	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Zizyphus spina-christi	Fruit	1400.0	1544.0	-0.5335840745131437	--
Azadirachta indica	Fruit	1381.0	3400.0	-0.10529282176440947	--
Glycyrrhiza glabra	Root	1379.0	8780.0	0.15082777410199327	--
Vigna aconitifolia	Seed	1360.0	3500.0	-0.11871991446123692	--
Nelumbo nucifera	Fruit	1360.0	1511.0	-0.5411991668303356	--
Coriandrum sativum	Leaf	1330.0	13441.0	-0.34137725941345665	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Mucuna pruriens	Seed	1320.0	1600.0	-0.467670015608275	--
Sonchus oleraceus	Leaf	1310.0	19265.0	0.05656294732215994	--
Bertholletia excelsa	Seed	1300.0	1820.0	-0.4272652670544074	--
Corylus avellana	Seed	1300.0	2591.0	-0.2856649891678989	--
Elettaria cardamomum	Fruit	1300.0	1625.0	-0.5148924842800362	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Theobroma cacao	Fruit	1300.0	3095.0	-0.1756747356051228	J Cell Biochem VOL. 22=1995
Limonia acidissima	Fruit	1300.0	6540.0	0.6192947502350655	--
Balanites aegyptiacus	Fruit	1300.0	3800.0	-0.0129886724651133	--
Citrullus lanatus	Seed	1294.0	1300.0	-0.5227673999999125	--
Abrus precatorius	Leaf	1266.0	2660.0	-1.0780176043339036	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Arctostaphylos uva-ursi	Leaf	1264.0	10900.0	-0.5149978063425779	--
Eupatorium perfoliatum	Plant	1260.0	14000.0	0.04392125722715171	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Carthamus tinctorius</i>	Seed	1260.0	1324.0	-0.5183596092485815	--
<i>Vigna unguiculata</i>	Seed	1255.0	1643.0	-0.4597727238454736	USDA's Ag Handbook 8 and sequelae)
<i>Cimicifuga racemosa</i>	Root	1254.0	5970.0	-0.15691792968206164	--
<i>Peperomia pelucida</i>	Leaf	1240.0	15900.0	-0.1733595794060938	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Brassica oleracea</i> var. <i>sabellica</i> l.	Leaf	1200.0	7725.0	-0.7319380804472452	--
<i>Coffea arabica</i>	Seed	1200.0	1281.0	-0.5262569010113829	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Nasturtium officinale</i>	Herb	1200.0	24000.0	1.0	--
<i>Cannabis sativa</i>	Seed	1200.0	1389.0	-0.5064218426303934	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Vigna radiata</i>	Seed	1183.0	1602.0	-0.46730269971233074	USDA's Ag Handbook 8 and sequelae)
<i>Brassica oleracea</i> var. <i>viridis</i> l.	Leaf	1170.0	19180.0	0.050755097464239715	--
<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>Humulus lupulus</i>	Flower	1157.0	6220.0	0.12434337429806096	--
<i>Harpagophytum procumbens</i>	Root	1151.0	6060.0	-0.1470613057174478	--
<i>Diospyros virginiana</i>	Leaf	1150.0	12500.0	-0.40567357372290297	--
<i>Achyranthes bidentata</i>	Root	1130.0	52200.0	4.906101246807924	--
<i>Phaseolus acutifolius</i>	Seed	1120.0	1966.0	-0.4004512066504771	--
<i>Myristica fragrans</i>	Seed	1110.0	2000.0	-0.3942068364194249	--
<i>Brassica nigra</i>	Leaf	1107.0	17867.0	-0.03895910092928099	USDA's Ag Handbook 8 and sequelae)
<i>Vigna mungo</i>	Seed	1100.0	2220.0	-0.35380208786555734	--
<i>Phaseolus lunatus</i>	Sprout Seedling	1090.0	3028.0	-0.3113957775064191	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Basella alba</i>	Leaf	1090.0	15800.0	-0.18019234394482347	--
<i>Pinus echinata</i>	Shoot	1088.0	11760.0	-0.21751333892681143	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Erythrina berteroana	Shoot	1080.0	6835.0	-0.5769304243567052	--
Bromelia pinguin	Shoot	1070.0	15800.0	0.07731813825831965	--
Pistacia vera	Seed	1066.0	1464.0	-0.492647496532484	--
Tamarindus indica	Leaf	1053.0	23000.0	0.3117667028437135	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
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)
Chrysanthemum parthenium	Leaf	1046.0	5810.0	-0.8627855213639186	--
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)
Cicer arietinum	Seed	1020.0	1220.0	-0.5374600358376825	USDA's Ag Handbook 8 and sequelae)
Foeniculum vulgare	Leaf	1000.0	10556.0	-0.5385025163558079	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Petroselinum crispum	Plant	1000.0	16850.0	0.34877611734080916	--
Bixa orellana	Seed	970.0	1640.0	-0.46032369768938997	--
Canavalia ensiformis	Seed	960.0	3090.0	-0.19401967312980825	--
Xanthosoma sagittifolium	Leaf	950.0	17800.0	-0.04353705317022988	--
Acacia farnesiana	Leaf	930.0	5003.0	-0.917925931191467	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Prunus armeniaca	Seed	930.0	1522.0	-0.4819953355501007	Suzuki, A., Morimoto, I., and Okitsu, T., Elution of Metals from Crude Drugs, Shoykugaku Zasshi 36(3):190-195.
Borago officinalis	Leaf	930.0	5005.0	-0.9177892759006925	USDA's Ag Handbook 8 and sequelae)
Ephedra sinica	Plant	922.0	4390.0	-0.9840279377525842	--
Helianthus annuus	Seed	917.0	1225.0	-0.5365417460978219	USDA's Ag Handbook 8 and sequelae)
Sassafras albidum	Stem	913.0	10360.0	-0.9091579129658584	--
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.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Triticum aestivum	Plant	900.0	10400.0	-0.34115856607431033	--
Malva sylvestris	Leaf	900.0	10715.0	-0.5276384207392277	--
Lupinus mutabilis	Seed	900.0	1000.0	-0.5778647843915501	--
Althaea officinalis	Root	881.0	8160.0	0.08292658679020891	--
Foeniculum vulgare	Fruit	880.0	13941.0	2.327152272645294	--
Taraxacum officinale	Root	878.0	6140.0	-0.13829986219334658	--
Ophiopogon japonicus	Tuber	870.0	3450.0	-0.1260687546119467	--
Schisandra chinensis	Fruit	864.0	5760.0	0.439301659101438	--
Plantago major	Shoot	860.0	1340.0	-0.9779450201815306	--
Annona cherimola	Seed	860.0	1110.0	-0.5576624101146164	--
Aegle marmelos	Fruit	850.0	2205.0	-0.3810514677960568	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Eleutherococcus senticosus	Root	840.0	4000.0	-0.3726684764630539	--
Pachira macrocarpa	Seed	830.0	875.0	-0.6008220278880657	--
Echinacea purpurea	Root	826.0	3290.0	-0.4504262877394521	--
Hydrastis canadensis	Root	823.0	2970.0	-0.48547206183585695	--
Artemisia vulgaris	Leaf	820.0	6455.0	-0.8187141900891122	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Elaeis guineensis	Fruit	820.0	1360.0	-0.57604398319082	--
Abelmoschus esculentus	Fruit	810.0	8100.0	0.9792809325023206	USDA's Ag Handbook 8 and sequelae)
Lepidium sativum	Leaf	810.0	20340.0	0.130015166113504	--
Physalis angulata	Fruit	810.0	8100.0	0.9792809325023206	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Aleurites moluccana	Seed	800.0	860.0	-0.6035768971076476	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Theobroma cacao	Seed	800.0	1100.0	-0.5594989895943375	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Zizyphus jujuba	Shoot	800.0	21600.0	0.5005910510488544	--
Hordeum vulgare	Plant	800.0	10400.0	-0.34115856607431033	Jim Duke's personal files.*

Plant	Part	Low PPM	High PPM	StdDev	Reference
Sesamum indicum	Seed	800.0	12638.0	1.559546414108043	--
Lobelia inflata	Leaf	793.0	7020.0	-0.7801090704452894	--
Cichorium intybus	Leaf	790.0	19900.0	0.09995100214309341	--
Glycine max	Seed	780.0	4440.0	0.05391855663256077	--
Portulaca oleracea	Herb	780.0	20800.0	-1.0	--
Aframomum melegueta	Fruit	750.0	9500.0	1.3023454550498572	--
Mauritia flexuosa	Fruit	740.0	1610.0	-0.5183538898787599	J Cell Biochem VOL. 22=1995
Nepeta cataria	Plant	739.0	6160.0	-0.7946970246293654	--
Dioscorea villosa	Root	734.0	3060.0	-0.47561543787124305	--
Spinacia oleracea	Plant	730.0	15700.0	0.2257645071195088	--
Plantago psyllium	Seed	728.0	3340.0	-0.14810518613677695	--
Abelmoschus manihot	Leaf	724.0	6241.0	-0.8333363062019936	--
Citrus limon	Fruit	700.0	3227.0	-0.14521436633635507	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Beta vulgaris	Leaf	700.0	17368.0	-0.0730545959775421	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Allium schoenoprasum	Leaf	690.0	11140.0	-0.4985991714496266	--
Dioscorea bulbifera	Rhizome	690.0	2379.0	-0.9898481475705792	--
Glycine max	Fruit	670.0	2200.0	-0.382205269662298	--
Vigna angularis	Seed	660.0	762.0	-0.6215753760089159	--
Sechium edule	Shoot	660.0	8920.0	-0.42477111001734913	--
Theobroma bicolor	Seed	650.0	675.0	-0.6375536174824907	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Muntingia calabura	Fruit	640.0	5615.0	0.4058414049804431	--
Eriodictyon californicum	Leaf	638.0	2900.0	-1.0616189694409524	--
Vigna unguiculata	Shoot	630.0	6164.0	-0.6258987216812653	--
Chrysanthemum coronarium	Leaf	630.0	9690.0	-0.5976742572612069	--
Vigna unguiculata	Shoot	630.0	6164.0	-0.6258987216812653	USDA's Ag Handbook 8 and sequelae)

Plant	Part	Low PPM	High PPM	StdDev	Reference
Smilax spp	Root	626.0	2980.0	-0.4843768813953443	--
Smilax officinalis	Root	626.0	2980.0	-0.4843768813953443	--
Scutellaria lateriflora	Plant	623.0	4550.0	-0.966913278939186	--
Angelica sinensis	Root	620.0	2820.0	-0.5018997684435467	--
Carthamus tinctorius	Flower	620.0	4430.0	-0.3708630185678622	--
Carya illinoensis	Seed	618.0	763.0	-0.6213917180609437	--
Panax ginseng	Root	611.0	2880.0	-0.4953286858004708	--
Juglans regia	Seed	610.0	1100.0	-0.5594989895943375	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Olea europaea	Fruit	610.0	2798.0	-0.24421056645985023	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Serenoa repens	Fruit	605.0	4640.0	0.18085004106340866	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Rheum rhabarbarum	Pt	600.0	18462.0	0.664932181626536	--
Phaseolus coccineus	Seed	600.0	1600.0	-0.467670015608275	--
Sechium edule	Leaf	592.0	3345.0	-1.0312131672436051	--
Nelumbo nucifera	Seed	590.0	13333.0	1.6871886879486702	--
Allium sativum var. sativum	Leaf	580.0	4265.0	-0.9683517334872921	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Tetragonia tetragonioides	Leaf	580.0	9665.0	-0.5993824483958894	--
Cola acuminata	Seed	580.0	1563.0	-0.4744653596832436	--
Erythrina fusca	Leaf	570.0	3080.0	-1.049319993271239	--
Alocasia macrorrhiza	Leaf	570.0	15700.0	-0.18702510848355317	--
Psophocarpus tetragonolobus	Seed	567.0	8586.0	0.8153644089249918	--
Juglans nigra	Seed	565.0	668.0	-0.6388392231182957	--
Chrysanthemum coronarium	Bud	560.0	7525.0	1.0	--
Astragalus membranaceus	Root	560.0	3500.0	-0.42742749848868644	--
Arachis hypogaea	Seed	560.0	969.0	-0.5835581807786859	--
Luffa aegyptiaca	Leaf	560.0	55000.0	2.498251355237212	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Spondias dulcis	Fruit	560.0	4275.0	0.09662250482780091	--
Sphenostylis stenocarpa	Seed	550.0	607.0	-0.6500423579445953	--
Phytolacca americana	Shoot	530.0	6307.0	-0.6154628550383262	--
Asimina triloba	Fruit	530.0	3248.0	-0.14036839849814203	--
Allium ampeloprasum	Leaf	520.0	5472.0	-0.8858802655048249	--
Allium ampeloprasum	Root	520.0	3796.0	-0.39501015744951196	--
Annona glabra	Fruit	520.0	3940.0	0.01931777978964036	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Brassica juncea	Leaf	512.0	5565.0	-0.8795257944838063	--
Juglans cinerea	Seed	512.0	724.0	-0.6285543780318567	--
Vaccinium myrtillus	Fruit	510.0	6380.0	0.582373090515347	--
Phaseolus vulgaris	Seed	510.0	3295.0	-0.1563697937955226	--
Passiflora incarnata	Flower	506.0	4600.0	-0.3238322438264058	--
Ribes nigrum	Fruit	502.0	4720.0	0.1993108709232679	--
Areca catechu	Seed	500.0	1050.0	-0.5686818869929439	--
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.
Artocarpus heterophyllus	Seed	500.0	1033.0	-0.57180407210847	--
Trichosanthes anguina	Fruit	500.0	9260.0	1.2469629654702794	--
Sophora secundiflora	Seed	500.0	1900.0	-0.4125726312166374	--
Vigna unguiculata	Fruit	500.0	4115.0	0.059700845108082434	USDA's Ag Handbook 8 and sequelae)
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.
Lablab purpureus	Fruit	500.0	2841.0	-0.23428787041017587	--
Lablab purpureus	Seed	500.0	4122.0	-0.004484670822575049	--
Crescentia alata	Seed	500.0	518.0	-0.6663879153141145	--
Tragopogon porrifolius	Root	480.0	2610.0	-0.5248985576943124	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Glycine max	Sprout Seedling	480.0	3504.0	-0.25583940940557376	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Rheum rhabarbarum	Leaf	470.0	14400.0	-0.27585104748703904	--
Cichorium endivia	Leaf	462.0	10080.0	-0.5710264755601612	--
Brosimum alicastrum	Fruit	450.0	2812.0	-0.24097992123437484	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Nelumbo nucifera	Rhizome	450.0	3704.0	-0.7013828256307767	--
Capsicum annuum	Fruit	431.0	1670.0	-0.5045082674838655	--
Rumex acetosa	Leaf	430.0	4300.0	-0.9659602658987367	--
Pisum sativum	Fruit	430.0	4253.0	0.09154577661633961	--
Caulophyllum thalictroides	Root	428.0	3890.0	-0.38471546130869305	--
Allium cepa	Leaf	420.0	5385.0	-0.8918247706535197	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Santalum acuminatum	Fruit	420.0	1800.0	-0.47450941896159415	--
Cichorium intybus	Root	410.0	2050.0	-0.5862286623630208	--
Genipa americana	Fruit	400.0	3700.0	-0.036064709789937345	--
Stellaria media	Shoot	400.0	1110.0	-0.9947299805163277	--
Blighia sapida	Aril	400.0	1950.0	0.32563789816201644	--
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.
Avena sativa	Seed	400.0	4800.0	0.12003541790252584	--
Brassica oleracea var. gemmifera	Leaf	395.0	3177.0	-1.042692211668671	USDA's Ag Handbook 8 and sequelae)
Eugenia brasiliensis	Fruit	395.0	2720.0	-0.26220987557321296	--
Cucurbita pepo	Flower	390.0	8041.0	0.6281259672638968	USDA's Ag Handbook 8 and sequelae)
Lens culinaris	Seed	386.0	604.0	-0.6505933317885116	--
Sambucus canadensis	Fruit	380.0	1881.0	-0.4558178287284867	USDA's Ag Handbook 8 and sequelae)
Hibiscus sabdariffa	Flower	374.0	3400.0	-0.6558141831778627	--
Juglans nigra	Pericarp	371.0	3090.0		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Ipomoea batatas</i>	Leaf	370.0	17900.0	-0.0367042886315002	--
<i>Cucurbita maxima</i>	Leaf	364.0	2580.0	-1.0834838159648872	--
<i>Lactuca sativa</i>	Leaf	360.0	19140.0	0.04802199164874784	--
<i>Brassica oleracea</i> var. <i>botrytis</i> l.	Leaf	360.0	54247.0	2.4468006382605774	--
<i>Morinda citrifolia</i>	Leaf	360.0	1600.0	-1.1504449084444381	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Brassica oleracea</i> var. <i>italica</i>	Leaf	360.0	54247.0	2.4468006382605774	--
<i>Spondias pinnata</i>	Fruit	360.0	3710.0	-0.03375710605745494	--
<i>Phaseolus vulgaris</i>	Fruit	356.0	18000.0	3.2638086276599014	--
<i>Macadamia</i> spp	Seed	355.0	1075.0	-0.5640904382936407	USDA's Ag Handbook 8 and sequelae)
<i>Cajanus cajan</i>	Fruit	350.0	2022.0	-0.4232806161004848	--
<i>Mimosa pudica</i>	Leaf	350.0	23800.0	0.36642881915355097	--
<i>Ficus carica</i>	Fruit	350.0	4228.0	0.0857767672851336	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Apium graveolens</i>	Root	340.0	3635.0	-0.4126425625417656	ACTA AGRIC SCAND SUPPL 22: 1980
<i>Pourouma cecropiaefolia</i>	Fruit	340.0	1890.0	-0.45374098536925256	J Cell Biochem VOL. 22=1995
<i>Canavalia ensiformis</i>	Fruit	330.0	5263.0	0.32461375359706246	--
<i>Camellia sinensis</i>	Leaf	327.0	2456.0	-1.0919564439929121	--
<i>Prunus serotina</i>	Stem	323.0	18360.0	-0.04174428103659576	--
<i>Terminalia catappa</i>	Seed	320.0	5100.0	0.1751328022941634	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Secale cereale</i>	Seed	315.0	685.0	-0.6357170380027696	--
<i>Pastinaca sativa</i>	Root	315.0	3525.0	-0.4246895473874048	--
<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>Allium sativum</i> var. <i>sativum</i>	Root	315.0	850.0	-0.7176503152245389	--
<i>Apium graveolens</i>	Pt	313.0	11918.0	-1.4133911092017	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Alpinia galanga	Rhizome	310.0	2199.0	-1.029035889419005	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Brassica rapa	Root	300.0	3690.0	-0.40661907011894605	--
Moringa oleifera	Fruit	300.0	2545.0	-0.30259294089165506	USDA's Ag Handbook 8 and sequelae)
Psophocarpus tetragonolobus	Tuber	300.0	704.0	-0.9355421766643365	--
Morus alba	Fruit	300.0	6400.0	0.5869882979803118	--
Ribes rubrum	Fruit	298.0	2875.0	-0.2264420177197357	--
Brassica oleracea var. capitata l.	Leaf	290.0	19500.0	0.07261994398817469	--
Cajanus cajan	Seed	290.0	1540.0	-0.4786894924866025	--
Chrysobalanus icaco	Fruit	290.0	2775.0	-0.24951805504455976	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Syzygium jambos	Fruit	290.0	2045.0	-0.41797312751577526	--
Mangifera indica	Leaf	290.0	29300.0	0.7422308687836834	--
Alocasia macrorrhiza	Root	281.0	1875.0	-0.6053943200719922	--
Lupinus mutabilis	Fruit	280.0	980.0	-0.6637329250251514	--
Ipomoea aquatica	Leaf	276.0	12665.0	-0.394399512233999	--
Myrciaria dubia	Fruit	270.0	4500.0	0.148543588808655	--
Curcuma longa	Rhizome	270.0	2898.0	-0.8768568252409509	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Brassica napus var. napobrassica	Root	270.0	6040.0	-0.14925166659847308	--
Diospyros virginiana	Fruit	270.0	758.0	-0.7149617278862607	--
Asparagus officinalis	Root	265.0	2650.0	-0.5205178359322618	--
Raphanus sativus	Fruit	260.0	10130.0	1.4477244901962487	--
Colocasia esculenta	Leaf	260.0	17400.0	-0.0708681113251486	--
Amorphophallus campanulatus	Root	260.0	5720.0	-0.1842974406948779	--
Pinus pinea	Seed	260.0	280.0	-0.7100985069314802	USDA's Ag Handbook 8 and sequelae)
Dioscorea pentaphylla	Root	260.0	1400.0	-0.6574153909963432	--
Zizyphus jujuba	Fruit	260.0	1602.0	-0.5201999728647457	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Spondias mombin	Fruit	260.0	2500.0	-0.31297715768782586	--
Vigna unguiculata	Seed	253.0	14400.0	1.8831517184349278	--
Phaseolus lunatus	Seed	250.0	8600.0	0.8179356201966016	--
Allium sativum var. sativum	Flower	250.0	2155.0	-1.0002454452549991	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)
Fagopyrum esculentum	Seed	241.0	1140.0	-0.5521526716754526	--
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.
Cucurbita pepo	Seed	240.0	2960.0	-0.21789520636618454	--
Castanea dentata	Seed	240.0	427.0	-0.6831007885795778	--
Manilkara zapota	Fruit	240.0	1300.0	-0.5898896055857143	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Anacardium occidentale	Seed	240.0	823.0	-0.6103722411826162	--
Sambucus nigra	Fruit	235.0	1440.0	-0.5575831533309608	--
Pouteria viridis	Fruit	230.0	730.0	-0.7214230183372115	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Byrsonima crassifolia	Fruit	230.0	1920.0	-0.4468181741718053	--
Allium ampeloprasum	Flower	230.0	1361.0	-1.2199068284592132	--
Pisum sativum	Seed	230.0	1700.0	-0.44930422081106247	--
Curcuma longa	Plant	226.0	730.0	-1.3755257581090707	--
Lycium chinense	Fruit	225.0	1170.0	-0.6198884541079857	--
Gliricidia sepium	Flower	220.0	1570.0	-1.1620866406888344	--
Castanea sativa	Seed	220.0	528.0	-0.6645513358343932	--
Vicia faba	Seed	220.0	31160.0	4.961258926447746	USDA's Ag Handbook 8 and sequelae)
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.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Rubus idaeus	Fruit	220.0	1645.0	-0.5102772768150714	Revised USDA data received 1993.
Pouteria caimito	Fruit	220.0	3700.0	-0.036064709789937345	--
Pouteria campechiana	Fruit	220.0	895.0	-0.6833475567512518	--
Annona squamosa	Fruit	216.0	1335.0	-0.581812992522026	--
Citrus sinensis	Fruit	210.0	5615.0	0.4058414049804431	--
Cucurbita pepo	Fruit	210.0	2500.0	-0.31297715768782586	USDA's Ag Handbook 8 and sequelae)
Sicana odorifera	Fruit	210.0	2460.0	-0.3222075726177555	--
Brassica oleracea var. botrytis l.	Flower	210.0	4040.0	-0.4787571488570857	--
Daucus carota	Root	210.0	5710.0	-0.18539262113539057	--
Psidium cattleianum	Fruit	210.0	3400.0	-0.10529282176440947	--
Ipomoea batatas	Root	203.0	2300.0	-0.5588491513502045	--
Artocarpus heterophyllus	Fruit	200.0	1735.0	-0.4895088432227298	--
Blighia sapida	Seed	200.0	1300.0	-0.5227673999999125	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Luffa aegyptiaca	Fruit	200.0	4000.0	0.033163402184534785	--
Allium cepa	Bulb	200.0	3008.0	0.11970003608893207	--
Passiflora foetida	Fruit	200.0	1110.0	-0.63373407650288	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Calathea macrosepala	Plant	200.0	2600.0	-1.175498183227478	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Brassica oleracea	Stem	200.0	2665.0	-1.743501400177818	--
Lagenaria siceraria	Fruit	200.0	5830.0	0.4554548852288148	--
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.
Cucurbita spp	Fruit	200.0	3165.0	-0.159521509477746	--
Elaeagnus umbellatus	Fruit	196.0	1070.0	-0.6429644914328096	--
Aloe vera	Leaf	190.0	4600.0	-0.9454619722825477	--
Raphanus sativus	Root	190.0	8570.0	0.1278289848512276	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Arracacia xanthorrhiza	Root	190.0	655.0	-0.7390063338145356	--
Manihot esculenta	Root	190.0	2890.0	-0.49423350535995814	--
Theobroma speciosum	Fruit	190.0	485.0	-0.7779593097830303	J Cell Biochem VOL. 22=1995
Sechium edule	Fruit	190.0	2715.0	-0.26336367743945416	--
Ribes uva-crispa	Fruit	185.0	4122.0	0.06131616772082012	--
Quararibea cordata	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.
Vaccinium vitis-idaea	Fruit	180.0	1730.0	-0.490662645088971	--
Opuntia ficus-indica	Fruit	180.0	3065.0	-0.18259754680257	--
Platycodon grandiflorum	Root	180.0	5240.0	-0.23686610183948517	--
Eriobotrya japonica	Fruit	180.0	2381.0	-0.3404376421043665	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Annona reticulata	Fruit	176.0	1270.0	-0.5968124167831617	--
Capsicum frutescens	Fruit	175.0	1560.0	-0.5298919085411719	--
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.
Gliricidia sepium	Leaf	170.0	1110.0	-1.1839254546842135	--
Tamarindus indica	Fruit	170.0	2829.0	-0.23705699488915477	--
Amorphophallus konjac	Leaf	170.0	6538.0	-0.8130429955219665	--
Apium graveolens	Seed	170.0	20776.0	3.054154794705198	--
Benincasa hispida	Fruit	170.0	4870.0	0.23392492691050396	--
Artocarpus altilis	Fruit	170.0	1950.0	-0.4398953629743581	--
Phaseolus vulgaris	Sprout Seedling	170.0	1828.0	-0.4514538483488865	USDA's Ag Handbook 8 and sequelae)
Gymnema sylvestre	Leaf	169.0	890.0	-1.1989575366694187	--
Actinidia chinensis	Fruit	160.0	1910.0	-0.4491257779042877	--
Asparagus officinalis	Shoot	160.0	3840.0	-0.7954997991511278	--
Castanea mollissima	Seed	160.0	356.0	-0.6961405028855987	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Hordeum vulgare	Seed	160.0	4100.0	-0.008525145677961804	Jim Duke's personal files.*
Carica papaya	Fruit	159.0	1180.0	-0.6175808503755033	--
Theobroma bicolor	Fruit	158.0	184.0	-0.8474181821307507	--
Pueraria montana	Root	150.0	475.0	-0.7587195817437633	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Polymnia edulis	Root	150.0	1650.0	-0.6300358799835268	--
Rumex crispus	Leaf	150.0	10000.0	-0.576492687191145	--
Maranta arundinacea	Root	150.0	467.0	-0.7595957260961734	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Rubus chamaemorus	Fruit	150.0	1125.0	-0.6302726709041565	--
Zingiber officinale	Rhizome	150.0	3458.0	-0.7549394061569589	--
Pachyrhizus erosus	Tuber	150.0	1380.0	-0.7362690399901138	--
Canna indica	Root	150.0	1300.0	-0.6683671954014696	--
Annona muricata	Fruit	140.0	2600.0	-0.2899011203630018	--
Passiflora incarnata	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.
Spondias purpurea	Fruit	140.0	925.0	-0.6764247455538046	--
Prunus cerasus	Fruit	140.0	1954.0	-0.43897232148136517	--
Citrus reticulata	Fruit	140.0	3077.0	-0.17982842232359114	--
Inga feuillei	Aril	140.0	875.0	-1.3546536563539873	J Cell Biochem VOL. 22=1995
Helianthus tuberosus	Tuber	140.0	9600.0	1.686845136728985	--
Phoenix dactylifera	Fruit	140.0	2000.0	-0.4283573443119461	--
Fragaria spp	Fruit	135.0	2900.0	-0.22067300838852968	--
Prunus armeniaca	Fruit	134.0	1899.0	-0.45166414201001837	--
Momordica charantia	Fruit	130.0	4333.0	0.11000660647619885	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Cyclanthera pedata	Fruit	130.0	3160.0	-0.1606753113439872	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Passiflora edulis	Fruit	130.0	1190.0	-0.6152732466430209	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Colocasia esculenta	Root	130.0	3780.0	-0.3967624461543322	--
Allium sativum var. sativum	Bulb	130.0	4947.0	1.1604999014541306	--
Pereskia aculeata	Fruit	130.0	2025.0	-0.42258833498074005	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Aralia cordata	Leaf	130.0	2765.0	-1.0708432015682374	--
Cucumis sativus	Fruit	129.0	10000.0	1.4177256416739774	--
Solanum sessiliflorum	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.
Pinus cembroides	Seed	120.0	145.0	-0.7348923299077171	USDA's Ag Handbook 8 and sequelae)
Cynara cardunculus	Flower	120.0	5286.0	-0.13404923516382297	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Beta vulgaris	Root	120.0	4200.0	-0.35076486765280085	--
Allium sativum var. sativum	Shoot	120.0	538.0	-1.0364734470880839	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Phyllanthus emblica	Fruit	120.0	2660.0	-0.2760554979681074	--
Solanum melongena	Fruit	120.0	5706.0	0.426840598946033	--
Malpighia glabra	Fruit	120.0	1400.0	-0.5668135682608904	--
Citrus paradisi	Fruit	117.0	11000.0	1.6484860149222178	--
Zingiber officinale	Root	116.0	1650.0	-0.6300358799835268	--
Persea schiedeana	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.
Carica pentagona	Fruit	110.0	1615.0	-0.5172000880125186	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Artocarpus altilis	Seed	110.0	825.0	-0.610004925286672	--
Vigna radiata	Sprout Seedling	110.0	1571.0	-0.4814496185209816	USDA's Ag Handbook 8 and sequelae)

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.
Triticum aestivum	Seed	100.0	4100.0	-0.008525145677961804	--
Garcinia mangostana	Fruit	100.0	637.0	-0.7428837330492978	--
Citrullus lanatus	Fruit	100.0	3400.0	-0.10529282176440947	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Sphenostylis stenocarpa	Root	100.0	284.0	-0.7796375281575549	--
Hylocereus undatus	Fruit	100.0	640.0	-0.742191451929553	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Vigna subterranea	Seed	100.0	945.0	-0.587965971530017	--
Sorbus aucubaria	Fruit	100.0	2115.0	-0.40181990138839846	--
Anacardium occidentale	Fruit	100.0	833.0	-0.6976546998926427	--
Cucumis melo	Fruit	96.0	3080.0	-0.1791361412038464	--
Trigonella foenum-graecum	Seed	95.0	730.0	-0.6274524303440239	--
Vitis vinifera	Fruit	92.0	4774.0	0.2117719310786729	--
Mangifera indica	Fruit	92.0	1400.0	-0.5668135682608904	--
Psidium guajava	Fruit	90.0	1582.0	-0.5248151803297106	--
Passiflora quadrangularis	Fruit	90.0	2500.0	-0.31297715768782586	--
Passiflora quadrangularis	Seed	90.0	415.0	-0.6853046839552434	--
Citrus aurantiifolia	Fruit	90.0	3084.0	-0.17821309971085345	--
Bactris gasipaes	Fruit	89.0	5820.0	0.4531472814963324	--
Physalis peruviana	Fruit	80.0	585.0	-0.7548832724582063	--
Chamissoa altissima	Leaf	80.0	825.0	-1.203398833619593	Tramil
Casimiroa edulis	Fruit	80.0	455.0	-0.7848821209804776	--
Phaseolus lunatus	Leaf	80.0	2857.0	-1.064557058192606	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Syzygium cumini	Fruit	80.0	920.0	-0.6775785474200458	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Annona cherimola</i>	Fruit	78.0	1455.0	-0.5541217477322371	--
<i>Durio zibethinus</i>	Fruit	76.0	600.0	-0.7514218668594826	--
<i>Chrysophyllum cainito</i>	Fruit	75.0	1220.0	-0.6083504354455737	--
<i>Cocos nucifera</i>	Seed	71.0	476.0	-0.6741015491289437	--
<i>Oryza sativa</i>	Seed	71.0	364.0	-0.6946712393018217	--
<i>Bixa orellana</i>	Fruit	70.0	450.0	-0.7860359228467187	--
<i>Physalis ixocarpa</i>	Fruit	70.0	2580.0	-0.2945163278279666	--
<i>Tropaeolum tuberosum</i>	Root	70.0	500.0	-0.7559816306424817	--
<i>Elaeagnus commutata</i>	Fruit	70.0	507.0	-0.7728825815715691	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Eugenia uniflora</i>	Fruit	70.0	640.0	-0.742191451929553	--
<i>Pyrus communis</i>	Fruit	68.0	1776.0	-0.48004766791955195	--
<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>Ananas comosus</i>	Fruit	62.0	1308.0	-0.5880435225997285	--
<i>Myrciaria cauliflora</i>	Fruit	60.0	3695.0	-0.037218511656178545	--
<i>Eugenia floribunda</i>	Fruit	60.0	465.0	-0.7825745172479952	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Cydonia oblonga</i>	Fruit	60.0	805.0	-0.7041159903435934	--
<i>Solanum quitoensis</i>	Fruit	60.0	975.0	-0.6648867268913925	--
<i>Lycopersicon esculentum</i>	Fruit	60.0	2400.0	-0.3360531950126499	--
<i>Phyllanthus acidus</i>	Fruit	60.0	2326.0	-0.3531294626330197	--
<i>Persea americana</i>	Fruit	60.0	964.0	-0.6674250909971232	--
<i>Pinus edulis</i>	Seed	59.0	117.0	-0.7400347524509366	--
<i>Xanthosoma sagittifolium</i>	Root	59.0	4000.0	-0.3726684764630539	--
<i>Vaccinium corymbosum</i>	Fruit	58.0	400.0	-0.7975739415091307	--
<i>Passiflora ligularis</i>	Fruit	56.0	810.0	-0.7029621884773523	--
<i>Syzygium malaccense</i>	Fruit	55.0	2615.0	-0.2864397147642782	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Coix lacryma-jobi	Seed	50.0	282.0	-0.709731191035536	--
Dioscorea alata	Root	44.0	290.0	-0.7789804198932474	--
Malus domestica	Fruit	43.0	570.0	-0.75834467805693	--
Feijoa sellowiana	Fruit	40.0	731.0	-0.7211922579639632	--
Passiflora mollissima	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.
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	--
Mammea americana	Fruit	40.0	985.0	-0.6625791231589101	--
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.
Cyphomandra betacea	Fruit	39.0	5780.0	0.4439168665664028	--
Prunus domestica	Fruit	38.0	2040.0	-0.41912692938201646	--
Solanum tuberosum	Tuber	34.0	2550.0	-0.3913732265154976	--
Melicoccus bijugatas	Fruit	34.0	555.0	-0.7618060836556535	--
Punica granatum	Fruit	30.0	650.0	-0.7398838481970706	--
Ullucus tuberosus	Root	30.0	365.0	-0.7707665665894025	--
Averrhoa bilimbi	Fruit	30.0	665.0	-0.7364224425983471	--
Averrhoa carambola	Fruit	29.0	1040.0	-0.649887302630257	--
Aloe spp.	Leaf	23.0	4600.0	-0.9454619722825477	--
Murraya sp	Fruit	20.0	95.0	-0.8679558553498441	--
Musa x paradisiaca	Fruit	20.0	95.0	-0.8679558553498441	--
Ginkgo biloba	Seed	20.0	230.0	-0.7192814043300865	--
Prunus persica	Fruit	18.0	8850.0	1.152351212438501	--
Phoenix dactylifera	Seed	18.0	436.0	-0.6814478670478287	Abstract (See species file)
Citrus aurantium	Fruit	18.0	4230.0	0.08623828803163008	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Zea mays	Seed	10.0	181.0	-0.7282806437807207	--
Magnolia denudata	Flower		8040.0	0.6278493156477706	--
Areca catechu	Sprout Seedling		60.0	-0.6578060727234551	--
Glehnia littoralis	Root		1930.0	-0.5993708276491726	--
Vanilla planifolia	Fruit		19000.0	3.494569000908142	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Catalpa ovata	Fruit		2890.0	-0.22298061212101208	--
Lonicera japonica	Flower		7390.0	0.4480257651657314	--
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.
Chrysanthemum cinerariifolium	Shoot		5300.0	-0.6889517900693726	--
Amphicarpaea bracteata	Shoot		17300.0	0.1867852708765614	--
Hyoscyamus niger	Seed		7420.0	0.6012192415894938	--
Genipa americana	Seed		900.0	-0.5962305791887627	--
Panax japonicus	Rhizome		7000.0	0.016188269549290316	--
Spirulina spp.	Plant		280.0	-1.4236607360217535	--
Eriocaulon sp	Leaf		2070.0	-1.1183309151124086	--
Spartium junceum	Stem		6500.0	-1.3276849903717276	--
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
Cypripedium pubescens	Root		16800.0	1.0291624873931393	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Celosia cristata	Flower		8910.0	0.8685362216775767	--
Stillingia sylvatica	Plant		3100.0	-1.1220148744356082	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Agathosma betulina	Leaf		38800.0	1.391343499963003	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Jussiaea repens	Plant		14400.0	0.08670790426064749	--
Forsythia suspensa	Fruit		4380.0	0.12085234401886616	--
Lophatherum gracile	Plant		2380.0	-1.1990308390959006	--
Humulus lupulus	Fruit		6222.0	0.545912951542125	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Lantana camara	Fruit		1100.0	-0.6360416802353624	--
Lantana camara	Shoot		6100.0	-0.6305693193396437	--
Tephrosia purpurea	Leaf		16500.0	-0.13236299217371572	--
Berberis vulgaris	Bark		19100.0	0.04088065432927098	--
Vigna aconitifolia	Fruit		20100.0	3.7484054114812064	--
Catha edulis	Leaf		2900.0	-1.0616189694409524	--
Vigna aconitifolia	Leaf		23400.0	0.3390977609986322	--
Angelica dahurica	Root		2140.0	-0.576372038398407	--
Citrus medica	Fruit		6840.0	0.6885228622095376	--
Spondias tuberosa	Fruit		200.0	-0.8437260161587788	--
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.
Eryngium floridanum	Shoot		20600.0	0.42761296263669324	--
Ligustrum japonicum	Fruit		3040.0	-0.18836655613377604	--
Aspalathus linearis	Leaf				--
Albizia lebbek	Seed		1720.0	-0.44563106185161994	Wealth of India.
Raphanus sativus	Seed		3670.0	-0.08749806330597563	--
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.
Robinia pseudoacacia	Seed		19000.0	2.7279782791067038	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Blechnum orientale	Rhizome		8280.0	0.29485665602698624	--
Cassia tora	Seed		11700.0	1.3872752589101898	--
Cassia tora	Sprout Seedling		28100.0	2.6148841826288662	--
Rehmannia glutinosa	Root		1150.0	-0.6847949020091594	--
Sinomenium acutum	Rhizome		15400.0	1.8449495558091702	--
Atractylodes lancea	Rhizome		11300.0	0.9523398803728	--
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	--
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.
Angelica laxiflora	Root		3800.0	-0.3945720852733069	--
Juglans nigra	Fruit		3090.0	-0.176828537471364	--
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.
Cucurbita foetidissima	Leaf		77600.0	4.04245614099012	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Chrysanthemum parthenium	Plant		5810.0	-0.8321353407836742	--
Juglans nigra	Hull Husk		3090.0	1.0	--
Plantago psyllium	Hull Husk		3059.0	-1.0	--
Sophora japonica	Seed		2649.0	-0.27501282818551565	--
Acacia senegal	Leaf		7500.0	-0.747311800659387	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Chenopodium album	Seed		3000.0	-0.21054888844729952	--
Quercus rubra	Seed		947.0	-0.5875986556340728	--
Cinnamomum burmannii	Bark		17000.0	-0.1598399287480191	--
Tamarindus indica	Flower		2650.0	-0.8633028952725232	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Plant	Part	Low PPM	High PPM	StdDev	Reference
Rosa laevigata	Fruit		7620.0	0.8685159533431651	--
Barosma betulina	Leaf		38800.0	1.391343499963003	--
Lygodium japonicum	Pollen Or Spore		3060.0		--
Rhynchosia minima	Shoot		19200.0	0.3254436388596676	--
Scrophularia buergeriana	Root		2670.0	-0.5183274750512364	--
Cajanus cajan	Plant		8900.0	-0.5016084924499196	--
Tamarindus indica	Seed		1210.0	-0.5392966153174038	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Cynanchum atratum	Root		9900.0	0.27348798343941016	--
Viburnum opulus	Bark		23540.0	0.46526131569268436	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Dipsacus fullonum	Plant		20900.0	0.781990918554954	--
Prosopis juliflora	Leaf		20800.0	0.16144588299166054	--
Amomum xanthioides	Seed		5090.0	0.17329622281444215	--
Firmiana simplex	Seed		2310.0	-0.3372728725480661	--
Pulsatilla chinensis	Root		16200.0	0.9634516609623802	--
Stellaria media	Plant		12100.0	-0.15931531618195327	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Trigonella foenum-graecum	Leaf		12900.0	-0.3783425155679842	--
Cimicifuga dahurica	Rhizome		9750.0	0.6148898811224651	--
Aspalathus linearis	Shoot		2000.0	-0.9297794818295042	--
Phragmites australis	Shoot		9400.0	-0.38974162757951175	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Asparagus lucidus	Root		1810.0	-0.6125129929353245	--
Aspalathus linearis	Plant		90.0	-1.443984393362664	--
Ephedra spp	Plant		11500.0	-0.22349528673219693	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
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.
Rubia cordifolia	Root		37800.0	3.3290414124697065	--
Capparis spinosa	Leaf		5500.0	-0.8839670914339806	Wealth of India.
Arisaema consanguineum	Rhizome		1550.0	-1.1703294697502744	--
Arundo donax	Plant		4900.0	-0.9294749627848772	--
Polygala tenuifolia	Root		3420.0	-0.43618894201278763	--
Opuntia ficus-indica	Bud		560.0	-1.0	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
Colubrina texensis	Shoot		32900.0	1.3252434501062755	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Magnolia fargesii	Flower		8040.0	0.6278493156477706	--
Cnidium officinale	Rhizome		1710.0	-1.1354959214405624	--
Cymbopogon citratus	Plant		3680.0	-1.0599742362370392	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Amorphophallus campanulatus	Shoot		15200.0	0.03353128521102296	--
Siegesbeckia orientalis	Plant		11100.0	-0.2662819337656927	--
Rhizophora mangle	Leaf		13500.0	-0.3373459283356061	--
Tussilago farfara	Flower		3670.0	-0.5811182468237849	--
Prunella vulgaris	Flower		14500.0	2.4150187558231133	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.
Broussonetia papyrifera	Fruit		26900.0	5.317575949569242	--
Opuntia ficus-indica	Be		560.0		--
Chaenomeles lagenaria	Fruit		2300.0	-0.35912923233747396	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
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.
Lycopersicon esculentum	Leaf		60800.0	2.894551698483533	--
Melilotus indica	Plant		13400.0	-0.020258713323091964	--
Aristolochia debilis	Fruit		1740.0	-0.4883550413564886	--
Aconitum carmichaelii	Tuber		2550.0	-0.3913732265154976	--
Gentiana scabra	Root		7490.0	0.009549497275861294	--
Magnolia kobus	Flower		8040.0	0.6278493156477706	--
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.
Perideridia gairdneri	Root		600.0	-0.7450298262373551	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.
Bacopa monnieri	Shoot		2020.0	-0.928319920061261	Wealth of India.
Silybum marianum	Plant		6460.0	-0.7626070393542436	--
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.
Acacia tortilis	Fruit		7900.0	0.9331288578526725	--
Acacia tortilis	Leaf		22700.0	0.29126840922752445	--
Vitis vinifera	Stem		17700.0	-0.11330590567075993	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Acacia tortilis	Seed		5600.0	0.266961776280226	--
Cistanche salsa	Plant		1730.0	-1.2685591405253311	--
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.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Rubus chingii	Fruit		7490.0	0.8385171048208939	--
Amorphophallus konjac	Root		234.0	-0.7851134303601183	--
Artemisia vulgaris	Shoot		8600.0	-0.4481240983092407	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
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.
Musa x paradisiaca	Leaf		7500.0	-0.747311800659387	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Crataegus cuneata	Fruit		3770.0	-0.019911483662560514	--
Morinda sp	Root		10000.0	0.28443978784453666	--
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.
Annona squamosa	Leaf		21200.0	0.18877694114657925	--
Musa x paradisiaca	Sprout Seedling		11600.0	0.6890857085449396	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Geranium thunbergii	Plant		16900.0	0.3541244482199961	--
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.
Drynaria fortunei	Rhizome		16000.0	1.9755753619705902	--
Kalmia latifolia	Leaf		9600.0	-0.6038237453460636	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Senna occidentalis	Seed		7450.0	0.6067289800286576	--
Sophora subprostrata	Root		18600.0	1.2262949666854164	--
Vigna mungo	Fruit		27100.0	5.363728024218889	--
Vigna mungo	Plant		17400.0	0.40760775701186586	--
Linum usitatissimum	Hay		7200.0		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Magnolia officinalis	Bark		6350.0	-1.1777800286399904	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Phellodendron amurense	Bark		14100.0	-0.4370254958547531	--
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.
Plantago asiatica	Plant		18000.0	0.4717877275621095	--
Actaea racemosa	Root		5970.0	-0.15691792968206164	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
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.
Carthamus tinctorius	Plant		17000.0	0.3648211099783701	--
Cyamopsis tetragonoloba	Fruit		1300.0	-0.5898896055857143	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Tanacetum parthenium	Plant		5810.0	-0.8321353407836742	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Cyamopsis tetragonoloba	Leaf		24200.0	0.3937598773084697	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Zizyphus jujuba	Leaf		19700.0	0.08628547306563406	--
Erythroxylum coca	Plant				--
Crataegus rhipidophylla	Fruit		5570.0	0.3954571881842723	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Spirulina pratensis	Plant		280.0	-1.4236607360217535	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Tribulus terrestris	Leaf		33500.0	1.02920697941033	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Satureja hortensis	Plant		23429.0	1.052509494424231	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
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.
Acanthopanax gracilistylis	Root Bark		12600.0	-0.5524868353374881	--
Cyperus rotundus	Rhizome		3180.0	-0.8154626963450835	--
Akebia quinata	Stem		19000.0	0.027648809517745246	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Cornus florida</i>	Plant				--
<i>Equisetum hyemale</i>	Plant		15500.0	0.2043711836027609	--
<i>Chamaemelum nobile</i>	Flower		6720.0	0.262669182361168	--
<i>Terminalia bellirica</i>	Leaf		20800.0	0.16144588299166054	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Nigella sativa</i>	Seed		10600.0	1.185251516140852	--
<i>Ricinus communis</i>	Leaf		26700.0	0.5645789907767117	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
<i>Gastrodia elata</i>	Rhizome		2140.0	-1.0418807603582114	--
<i>Calendula officinalis</i>	Leaf		30400.0	0.8173912787097098	--
<i>Spondias dulcis</i>	Seed		5000.0	0.15676700749695088	--
<i>Ficus carica</i>	Leaf		31600.0	0.899384453174466	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Tetrapanax papyrifera</i>	Pith		18300.0	1.411124921128867	--
<i>Viscum album</i>	Leaf		8910.0	-0.6509698206632984	--
<i>Olea europaea</i>	Leaf		11800.0	-0.4535029254940107	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Dioscorea</i> sp.	Root		3060.0	-0.47561543787124305	--
<i>Commiphora wightii</i>	Inflorescence				Jim Duke's personal files.
<i>Berberis vulgaris</i>	Root		19100.0	1.281053988711049	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Cornus officinalis</i>	Fruit		3250.0	-0.13990687775164554	--
<i>Gleditsia triacanthos</i>	Seed		2800.0	-0.24728047804172457	--
<i>Rhodymenia palmata</i>	Plant		6320.0	-0.7775823658159672	--
<i>Albizia julibrissin</i>	Bark		35500.0	1.60841282693287	--
<i>Eriobotrya japonica</i>	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.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Myristica fragrans</i>	Aril		2400.0	1.0290157581919714	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Simmondsia chinensis</i>	Seed		372.0	-0.6932019757180448	--
<i>Vitellaria paradoxa</i>	Seed		1070.0	-0.5650087280335013	--
<i>Eucommia ulmoides</i>	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.
<i>Chondrus crispus</i>	Plant		18820.0	0.5595003539807759	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Fraxinus rhynchophylla</i>	Bark		38600.0	1.9047146400469648	--
<i>Juncus effusus</i>	Pith		1440.0	-0.6246622582977759	--
<i>Prunus persica</i>	Seed		970.0	-0.5833745228307139	--
<i>Cinnamomum sieboldii</i>	Bark		14000.0	-0.44658361885843356	--
<i>Zea mays</i>	Silk Stigma Style		2520.0		--
<i>Cinnamomum sieboldii</i>	Root Bark		9000.0	-0.792119679580254	--
<i>Balanites aegyptiacus</i>	Shoot		4800.0	-0.7254408342754531	--
<i>Acacia catechu</i>	Leaf		27400.0	0.6124083425478194	--
<i>Carya ovata</i>	Seed		1095.0	-0.5604172793341982	--
<i>Anogeissus latifolia</i>	Leaf		30300.0	0.8105585141709801	--
<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), Kaohsiung J. Med. Sci., 4: 259-272.
<i>Dendrobium nobile</i>	Stem		6530.0	-1.3244321892519928	--
<i>Quisqualis indica</i>	Fruit		1430.0	-0.5598907570634432	--
<i>Schizonepeta tenuifolia</i>	Plant		10900.0	-0.2876752572824406	--
<i>Artemisia capillaris</i>	Plant		15200.0	0.17228119832763905	--
<i>Symphytum officinale</i>	Root		11300.0	0.4268132451111813	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Acrocomia totai</i>	Fruit		900.0	-0.6821937548850106	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Acrocomia totai	Seed		800.0	-0.6145963739859751	--
Euodia rutaecarpa	Fruit		11600.0	1.786942238871162	--
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.
Acacia nilotica	Plant				--
Petroselinum crispum	Shoot		1600.0	-0.9589707171943687	--
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.
Stevia rebaudiana	Leaf		5440.0	-0.8880667501572184	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Melia azedarach	Leaf		25500.0	0.4825858163119555	--
Notopterygium incisum	Rhizome		3850.0	-0.6695972127981645	--
Polygonum multiflorum	Root		3370.0	-0.4416648442153509	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Melia azedarach	Seed		2310.0	-0.3372728725480661	--
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.
Peganum harmala	Plant		5600.0	-0.8545983304762595	--
Hordeum vulgare	Stem		11000.0	-0.8397648224115174	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Nardostachys chinensis	Rhizome		11600.0	1.01765278345351	--
Taraxacum mongolicum	Plant		16900.0	0.3541244482199961	--