

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for MAGNESIUM

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Abelmoschus esculentus</i>	Fruit	380.0	6000.0	1.792156703535766	--
<i>Abelmoschus manihot</i>	Leaf	564.0	4862.0	0.2842936984474645	--
<i>Acacia nilotica</i>	Plant				--
<i>Acacia catechu</i>	Plant				--
<i>Acacia senegal</i>	Plant				--
<i>Acanthopanax gracilistylis</i>	Root Bark		2840.0	1.0903548697981802	--
<i>Achillea millefolium</i>	Plant	340.0	1920.0	-0.6662824225194472	--
<i>Achyranthes bidentata</i>	Root	1440.0	5730.0	1.685949271628311	--
<i>Aconitum carmichaelii</i>	Tuber		490.0	-0.8817870718364693	--
<i>Acorus calamus</i>	Rhizome		1100.0	-0.5600893515913968	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>Actaea racemosa</i>	Root		1740.0	-0.4371484057909448	Pedersen, M. 1987. <i>Nutritional Herbology</i> . Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Actaea dahurica</i>	Rhizome		1450.0	-0.19950830458172472	Suziki, A., Morimoto, I., and Okitsu, T., Elution of Metals from Crude Drugs, <i>Shoykugaku Zasshi</i> 36(3):190-195.
<i>Actinidia chinensis</i>	Fruit	300.0	1770.0	-0.16657905852542282	--
<i>Aframomum melegueta</i>	Fruit		1500.0	-0.2916047454654987	Wealth of India.
<i>Agathosma betulina</i>	Leaf		2210.0	-0.7397339063106452	Pedersen, M. 1987. <i>Nutritional Herbology</i> . Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Akebia quinata</i>	Stem		840.0	-1.6537506142913894	--
<i>Albizia julibrissin</i>	Bark		1090.0	-0.450084166169243	--
<i>Alisma plantago-aquatica</i>	Rhizome	1410.0	1740.0	0.09925884865486072	--
<i>Allium schoenoprasum</i>	Leaf	355.0	6875.0	1.0615816201586543	USDA's Ag Handbook 8 and sequelae)
<i>Allium sativum</i> var. <i>sativum</i>	Bulb	160.0	1210.0	0.6820084924988981	--
<i>Allium sativum</i> var. <i>sativum</i>	Root	448.0	1210.0	-0.7191638867513974	--
<i>Allium cepa</i>	Bulb	76.0	1230.0	0.7319115529256467	--
<i>Alocasia macrorrhiza</i>	Root	520.0	1750.0	-0.4318273589803703	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Aloe spp.	Leaf	5.0	930.0	-1.233985540583036	--
Aloe vera	Leaf		930.0	-1.233985540583036	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Althaea officinalis	Root	559.0	5180.0	1.3932916970467093	--
Amaranthus sp.	Leaf	550.0	6616.0	0.9615728910363504	--
Amomum xanthioides	Seed		3540.0	0.23464445664963784	--
Amorphophallus campanulatus	Root	220.0	3120.0	0.29715605406834666	--
Amorphophallus konjac	Root				--
Amphicarpaea bracteata	Shoot		4100.0	-0.46971487833426295	--
Anacardium occidentale	Seed	260.0	2650.0	-0.1169887078856715	--
Ananas comosus	Fruit	110.0	1075.0	-0.4884044378711737	--
Anemarrhena asphodeloides	Rhizome	1130.0	1200.0	-0.4570661953029191	--
Anethum graveolens	Seed	2449.0	2893.0	-0.02098100116423311	USDA's Ag Handbook 8 and sequelae)
Anethum graveolens	Plant	560.0	6470.0	0.7461924242723924	--
Anethum graveolens	Fruit	2449.0	2893.0	0.3534351875253372	--
Angelica sinensis	Root	583.0	2650.0	0.047066853971341596	--
Angelica laxiflora	Root		1950.0	-0.32540642276887877	--
Angelica dahurica	Root		3.67	-1.3610577266514403	--
Annona reticulata	Fruit	180.0	630.0	-0.6944652922724098	--
Annona muricata	Fruit	210.0	2400.0	0.12514754433475422	--
Annona cherimola	Seed	810.0	1045.0	-0.7511136843791225	--
Annona squamosa	Fruit	210.0	785.0	-0.6226912868068107	--
Annona cherimola	Fruit	200.0	1000.0	-0.5231337953545281	--
Anthriscus cerefolium	Leaf	1300.0	1400.0	-1.0525025186236425	--
Apium graveolens	Leaf	99.0	2650.0	-0.5698349070295108	USDA's Ag Handbook 8 and sequelae)
Apium graveolens	Seed	155.0	4903.0	0.7731568198649487	--
Apium graveolens	Root	140.0	1635.0	-0.4930193973019779	ACTA AGRIC SCAND SUPPL 22: 1980

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Apium graveolens</i>	Fruit	153.0	730.0	-0.648159482294604	--
<i>Arachis hypogaea</i>	Seed	1700.0	2110.0	-0.33033916726664575	--
<i>Arachis hypogaea</i>	Plant	3500.0	8700.0	1.4384603162165248	--
<i>Arctium lappa</i>	Root	1262.0	5370.0	1.4943915864476263	--
<i>Arctostaphylos uva-ursi</i>	Leaf	140.0	1210.0	-1.1258679955859505	--
<i>Areca catechu</i>	Seed		500.0	-0.9664396109765873	--
<i>Arisaema consanguineum</i>	Rhizome		100.0	-1.5903209144761745	--
<i>Aristolochia debilis</i>	Fruit		1880.0	-0.11564266754983635	--
<i>Armoracia rusticana</i>	Root	1624.0	9020.0	3.436573672307347	--
<i>Artemisia vulgaris</i>	Shoot		2700.0	-0.6633451957513414	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Artemisia capillaris</i>	Plant		1000.0	-0.9518817322004346	--
<i>Artemisia herba-alba</i>	Plant		2060.0	-0.6228216580027752	--
<i>Artemisia dracunculus</i>	Plant		3470.0	-0.1851096725134359	--
<i>Artocarpus altilis</i>	Fruit	220.0	975.0	-0.5347102478489796	--
<i>Artocarpus heterophyllus</i>	Fruit	370.0	1380.0	-0.34717171743886577	--
<i>Asiasarum sieboldii</i>	Root	2520.0	2600.0	0.020461619918468715	--
<i>Asiasarum heterotropoides</i>	Root	2520.0	2600.0	0.020461619918468715	--
<i>Asimina triloba</i>	Fruit	1090.0	5128.0	1.3883700405292987	--
<i>Aspalathus linearis</i>	Leaf				--
<i>Aspalathus linearis</i>	Shoot		3300.0	-0.5803607740011649	--
<i>Aspalathus linearis</i>	Plant		140.0	-1.2188549999457055	--
<i>Asparagus lucidus</i>	Root		430.0	-1.1342055379762144	--
<i>Asparagus officinalis</i>	Root	240.0	2400.0	-0.08595931629302281	--
<i>Asparagus officinalis</i>	Shoot	120.0	7000.0	-0.06862350654174332	--
<i>Astragalus membranaceus</i>	Root	800.0	5000.0	1.297512854456367	--
<i>Atractylodes lancea</i>	Rhizome		790.0	-0.879461136085678	--
<i>Atractylodes ovata</i>	Rhizome	760.0	960.0	-0.7043217703952659	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Avena sativa</i>	Seed	300.0	2900.0	-0.018215347061146407	Jim Duke's personal files.*
<i>Avena sativa</i>	Plant	2640.0	12000.0	2.4628926226809362	--
<i>Averrhoa carambola</i>	Fruit	80.0	1200.0	-0.43052217539891635	--
<i>Azadirachta indica</i>	Leaf		7100.0	1.148461790245598	--
<i>Azadirachta indica</i>	Fruit		4000.0	0.8660405039796483	--
<i>Barosma betulina</i>	Leaf		2210.0	-0.7397339063106452	--
<i>Belamcanda chinensis</i>	Rhizome		970.0	-0.6940194547664181	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>Benincasa hispida</i>	Fruit	190.0	4870.0	1.2689010507865595	--
<i>Berberis vulgaris</i>	Root		1430.0	-0.6021008569187567	Pedersen, M. 1987. <i>Nutritional Herbology</i> . Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Berberis vulgaris</i>	Bark		1430.0	-0.21822262602145115	--
<i>Bertholletia excelsa</i>	Seed	1600.0	3370.0	0.1674785712889608	--
<i>Beta vulgaris</i>	Root	130.0	4200.0	0.8718291096104009	--
<i>Blechnum orientale</i>	Rhizome		2580.0	0.9646533614780737	--
<i>Bletilla striata</i>	Tuber		1890.0	0.25600269827510397	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>Borago officinalis</i>	Leaf	520.0	7436.0	1.2782028442421007	USDA's Ag Handbook 8 and sequelae)
<i>Brassica oleracea</i>	Stem	190.0	2110.0	-1.1184243746609566	--
<i>Brassica oleracea</i> var. <i>capitata</i> l.	Leaf	100.0	2228.0	-0.7327834927036897	--
<i>Brassica nigra</i>	Leaf	132.0	2471.0	-0.6389529090097905	USDA's Ag Handbook 8 and sequelae)
<i>Brassica chinensis</i>	Leaf	106.0	5844.0	0.6634773741158146	--
<i>Brassica rapa</i>	Root	110.0	2000.0	-0.29880118871600586	--
<i>Brassica oleracea</i> var. <i>sabellica</i> l.	Leaf	340.0	2190.0	-0.7474565880961512	--
<i>Brassica oleracea</i> var. <i>gemmifera</i>	Leaf	230.0	1642.0	-0.9590580690190186	USDA's Ag Handbook 8 and sequelae)
<i>Brassica napus</i> var. <i>napobrassica</i>	Root	110.0	2610.0	0.025782666729043294	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Brassica oleracea var. italica	Leaf	214.0	3072.0	-0.406886321355332	USDA's Ag Handbook 8 and sequelae)
Brassica rapa	Leaf	106.0	5844.0	0.6634773741158146	USDA's Ag Handbook 8 and sequelae)
Brassica pekinensis	Leaf	2850.0	3150.0	-0.37676786239185817	--
Brassica oleracea var. viridis l.	Leaf	170.0	2786.0	-0.5173206708880693	--
Brassica oleracea var. botrytis l.	Flower	115.0	2250.0	-0.4063280335551449	--
Brassica oleracea var. botrytis l.	Leaf	214.0	3072.0	-0.406886321355332	--
Brassica juncea	Leaf	353.0	3837.0	-0.11149374305972344	--
Broussonetia papyrifera	Fruit		4030.0	0.8799322469729901	--
Bupleurum chinense	Root	550.0	5000.0	1.297512854456367	--
Camellia sinensis	Leaf		2200.0	-0.7435952472033982	--
Canavalia ensiformis	Seed		2190.0	-0.2987316918027977	--
Capsicum annuum	Fruit	604.0	2340.0	0.0973640583480707	--
Capsicum frutescens	Fruit	230.0	2203.0	0.033925098678476644	USDA's Ag Handbook 8 and sequelae)
Carica papaya	Fruit	110.0	815.0	-0.608799543813469	--
Carthamus tinctorius	Flower	260.0	1860.0	-0.6881879935904329	--
Carum carvi	Seed	2070.0	2950.0	0.0015393251037586135	--
Carum carvi	Fruit	2580.0	2863.0	0.3395434445319955	--
Carya ovata	Shoot	125.0	21600.0	1.9506640893792175	--
Carya glabra	Shoot	144.0	24200.0	2.3102632502966487	--
Carya ovata	Seed		900.0	-0.8084022336573471	--
Carya illinoensis	Seed		980.0	-0.776794758193499	--
Cassia tora	Seed		3180.0	0.09241081706232171	--
Castanea mollissima	Seed	820.0	1531.0	-0.5590982709362456	--
Castanea dentata	Seed	790.0	1406.0	-0.6084849513485082	--
Castanea sativa	Seed	320.0	704.0	-0.8858405485437747	--
Catalpa ovata	Fruit		1960.0	-0.07859801956759165	--
Caulophyllum thalictroides	Root	143.0	1300.0	-0.6712744654562262	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Celosia cristata	Flower		6080.0	2.361681317560633	--
Centella asiatica	Leaf	342.0	3200.0	-0.3574611579280929	--
Chaenomeles lagenaria	Fruit		990.0	-0.5277643763523087	--
Chamaemelum nobile	Flower		2920.0	0.0778929234285551	--
Chamissoa altissima	Leaf	70.0	715.0	-1.3170043697772267	Tramil
Chenopodium album	Seed		2920.0	-0.010313478195184399	--
Chondrus crispus	Plant		19600.0	4.822191267871701	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Chrysanthemum parthenium	Leaf	432.0	2400.0	-0.6663684293483372	--
Chrysanthemum parthenium	Plant		2400.0	-0.5172740870337147	--
Chrysanthemum coronarium	Bud	170.0	2285.0	1.0	--
Cicer arietinum	Seed	1110.0	1348.0	-0.6314003710597981	USDA's Ag Handbook 8 and sequelae)
Cichorium intybus	Root	220.0	1100.0	-0.7776954016677178	--
Cichorium intybus	Leaf	130.0	2652.0	-0.5690626388509602	USDA's Ag Handbook 8 and sequelae)
Cichorium endivia	Leaf	95.0	2400.0	-0.6663684293483372	--
Cimicifuga racemosa	Root	365.0	1740.0	-0.4371484057909448	--
Cimicifuga dahurica	Rhizome		1450.0	-0.19950830458172472	--
Cinnamomum aromaticum	Bark	770.0	1680.0	-0.04773619944219244	--
Cistanche salsa	Plant		810.0	-1.0108641983302038	--
Citrullus lanatus	Fruit	1081.0	1500.0	-0.2916047454654987	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Citrus reticulata	Fruit	111.0	1416.0	-0.33050162584685566	USDA's Ag Handbook 8 and sequelae)
Citrus medica	Fruit		950.0	-0.5462867003434311	--
Citrus paradisi	Fruit	15.0	3300.0	0.5418998341350072	--
Citrus aurantium	Fruit	800.0	1730.0	-0.18510138251654518	Suzuki, A., Morimoto, I., and Okitsu, T., Elution of Metals from Crude Drugs, Shoykugaku Zasshi 36(3):190-195.
Citrus sinensis	Fruit	98.0	1075.0	-0.4884044378711737	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Cnicus benedictus	Plant	235.0	1770.0	-0.7128475273587387	--
Cnidium officinale	Rhizome		850.0	-0.8176472423125913	--
Cocos nucifera	Seed	300.0	770.0	-0.8597643812861001	Furr, A.K., et al. 1979
Coix lacryma-jobi	Seed		1490.0	-0.5752971021114678	Suzuki, A., Morimoto, I., and Okitsu, T., Elution of Metals from Crude Drugs, Shoykugaku Zasshi 36(3):190-195.
Colocasia esculenta	Root	200.0	1350.0	-0.6446692314033533	--
Colocasia esculenta	Leaf	200.0	3140.0	-0.38062920328461125	--
Commiphora wightii	Inflorescence				Jim Duke's personal files.
Coptis spp	Rhizome	2240.0	2420.0	0.7998163114165093	--
Coptis japonica	Rhizome	2240.0	2420.0	0.7998163114165093	--
Coptis chinensis	Rhizome	2240.0	2420.0	0.7998163114165093	--
Corchorus olitorius	Leaf	640.0	5200.0	0.4148070206225177	--
Coriandrum sativum	Leaf	6940.0	7488.0	1.2982818168844166	USDA's Ag Handbook 8 and sequelae)
Coriandrum sativum	Fruit	2939.0	4016.0	0.8734494335760973	USDA's Ag Handbook 8 and sequelae)
Cornus officinalis	Fruit		830.0	-0.6018536723167981	--
Corylus avellana	Seed	1500.0	3156.0	0.0829285744231673	--
Crataegus laevigata	Fruit	262.0	940.0	-0.5509172813412117	--
Crataegus cuneata	Fruit		760.0	-0.6342677393012622	--
Crataegus rhipidophylla	Fruit		940.0	-0.5509172813412117	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Cucumis sativus	Fruit	101.0	7000.0	2.255214803313825	--
Cucumis melo	Fruit	92.0	3300.0	0.5418998341350072	--
Cucurbita maxima	Leaf	388.0	2752.0	-0.5304492299234297	--
Cucurbita pepo	Fruit	120.0	1429.0	-0.32448187054974087	USDA's Ag Handbook 8 and sequelae)
Cucurbita spp	Fruit	230.0	3640.0	0.6993395880595471	--
Cucurbita pepo	Flower	240.0	4950.0	1.5450101513045418	USDA's Ag Handbook 8 and sequelae)
Cucurbita pepo	Seed	5140.0	8500.0	2.194307935408216	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Curcuma longa	Plant	3038.0	9800.0	1.779937751704662	--
Cymbopogon citratus	Plant		3310.0	-0.23477911767534673	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Cynanchum atratum	Root		2210.0	-0.18705920569393975	--
Cynara cardunculus	Flower	555.0	4275.0	1.05717560508962	USDA's Ag Handbook 8 and sequelae)
Cyperus rotundus	Rhizome		1500.0	-0.14799672643748585	--
Cypripedium pubescens	Root		1090.0	-0.7830164484782923	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Cyrtosperma chamissonis	Root	180.0	1215.0	-0.7165033633461101	--
Daucus carota	Root	100.0	1980.0	-0.309443282337155	--
Dendrobium nobile	Stem		520.0	-1.7886359660092936	--
Dioscorea pentaphylla	Root	94.0	792.0	-0.9415836434334147	--
Dioscorea bulbifera	Rhizome		370.0	-1.3121583924972846	--
Dioscorea alata	Root	66.0	827.0	-0.9229599795964036	--
Dioscorea villosa	Root	391.0	1630.0	-0.4956799207072652	--
Dioscorea sp.	Root		1630.0	-0.4956799207072652	--
Diospyros virginiana	Stem	660.0	5400.0	0.26836564768874727	--
Diospyros virginiana	Leaf	1500.0	5000.0	0.3375802027674566	--
Drynaria fortunei	Rhizome		4140.0	2.5718145995783264	--
Echinacea purpurea	Root	467.0	1860.0	-0.3732958440640499	--
Echinacea spp	Root	1170.0	1860.0	-0.3732958440640499	--
Elaeagnus umbellatus	Fruit	170.0	1010.0	-0.5185032143567475	--
Eleutherococcus senticosus	Root	1050.0	5000.0	1.297512854456367	--
Elytrigia repens	Plant		7570.0	1.0876698597605294	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Ephedra spp	Plant		4780.0	0.22155890974970915	--
Ephedra sinica	Plant	443.0	2110.0	-0.607299956389678	--
Equisetum hyemale	Plant		1010.0	-0.9487773918778152	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Equisetum arvense</i>	Plant	935.0	4370.0	0.09428095652231261	--
<i>Eriobotrya japonica</i>	Leaf		2480.0	-0.6354777022063127	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>Eriocaulon</i> sp	Leaf		670.0	-1.3343804037946154	--
<i>Eriodictyon californicum</i>	Leaf	2156.0	9800.0	2.1910238312889225	--
<i>Erythroxyllum novogranatense</i>	Leaf	3800.0	6900.0	1.071234972390537	--
<i>Erythroxyllum coca</i>	Leaf	2130.0	5700.0	0.6078740652601706	--
<i>Erythroxyllum novogranatense</i>	Leaf	5200.0	6700.0	0.994008154535476	--
<i>Eucommia ulmoides</i>	Bark		2080.0	0.2250420830846215	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>Euodia rutaecarpa</i>	Fruit		4950.0	1.3059456987688043	--
<i>Eupatorium perfoliatum</i>	Plant	540.0	6000.0	0.6002884291092794	--
<i>Eupatorium odoratum</i>	Leaf		3200.0	-0.3574611579280929	Tramil
<i>Euphrasia officinalis</i>	Plant	641.0	4160.0	0.029089809747304622	--
<i>Feijoa sellowiana</i>	Fruit	80.0	500.0	-0.7546628452435575	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
<i>Ficus carica</i>	Fruit	158.0	872.0	-0.5824052321261196	USDA's Ag Handbook 8 and sequelae)
<i>Firmiana simplex</i>	Seed		4480.0	0.6060322933498522	--
<i>Foeniculum vulgare</i>	Fruit	1730.0	5012.0	1.334655300955044	--
<i>Foeniculum vulgare</i>	Seed	394.0	3650.0	0.2781047354124289	--
<i>Forsythia suspensa</i>	Fruit		1160.0	-0.4490444993900387	--
<i>Fragaria</i> spp	Fruit	98.0	1545.0	-0.27076713097548605	--
<i>Frangula purshiana</i>	Bark	440.0	1590.0	-0.10911131301072557	--
<i>Fraxinus rhynchophylla</i>	Bark		2070.0	0.21822262602145115	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Fritillaria thunbergii</i>	Bulb		370.0	-1.4139200454245453	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>Fucus vesiculosus</i>	Plant	1023.0	8670.0	1.4291472952486666	--
<i>Gardenia jasminoides</i>	Fruit	1880.0	2170.0	0.0186441813858007	--
<i>Gastrodia elata</i>	Rhizome		590.0	-1.0855074486626335	--
<i>Genipa americana</i>	Fruit	250.0	2900.0	0.3566765942237836	--
<i>Genipa americana</i>	Seed		1500.0	-0.5713461676784868	--
<i>Gentiana scabra</i>	Root		1150.0	-0.7510901676148448	--
<i>Gentiana lutea</i>	Root	603.0	2740.0	0.09495627526651279	--
<i>Geranium thunbergii</i>	Plant		1660.0	-0.7469952709075524	--
<i>Ginkgo biloba</i>	Leaf	240.0	1000.0	-1.2069561543337646	--
<i>Ginkgo biloba</i>	Seed	270.0	605.0	-0.9249547994302867	USDA's Ag Handbook 8 and sequelae)
<i>Glehnia littoralis</i>	Root		1650.0	-0.48503782708611604	--
<i>Glycine max</i>	Seed	430.0	3160.0	0.0845089481963597	--
<i>Glycyrrhiza uralensis</i>	Root	3690.0	5070.0	1.3347601821303892	--
<i>Glycyrrhiza glabra</i>	Root	1515.0	9650.0	3.771799621373545	--
<i>Gymnema sylvestre</i>	Leaf	201.0	1060.0	-1.1837881089772462	--
<i>Harpagophytum procumbens</i>	Root	1034.0	5440.0	1.5316389141216484	--
<i>Helianthus tuberosus</i>	Tuber	600.0	1800.0	0.18285907019650285	Bonness, M. S., Promising new drugs from plants: poisons that heal, Herbarist, #56, 1990, 59-68
<i>Helianthus annuus</i>	Seed	3540.0	5176.0	0.8810173298853301	--
<i>Hibiscus sabdariffa</i>	Flower	44.0	400.0	-1.7433560491071525	--
<i>Hordeum vulgare</i>	Sprout Seedling		1670.0	-0.5837462312888009	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>Hordeum vulgare</i>	Seed	100.0	2300.0	-0.25527141304000667	Jim Duke's personal files.*
<i>Hordeum vulgare</i>	Stem		2250.0	-1.0594120332843735	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Houttuynia cordata	Plant		3430.0	-0.19752703380391362	Suzuki, A., Morimoto, I., and Okitsu, T., Elution of Metals from Crude Drugs, Shoykugaku Zasshi 36(3):190-195.
Humulus lupulus	Fruit		2380.0	0.11588638233919304	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Humulus lupulus	Flower	443.0	2380.0	-0.3123747135433822	--
Hydrangea arborescens	Root	567.0	1620.0	-0.5010009675178397	--
Hydrastis canadensis	Root	814.0	2940.0	0.2013772114780043	--
Hyoscyamus niger	Seed		5250.0	0.9102542446893895	--
Inula helenium	Root	1650.0	7500.0	2.627774557100011	--
Ipomoea batatas	Root	95.0	710.0	-0.9852162272801263	--
Ipomoea batatas	Leaf		620.0	-1.3536871082583806	--
Ipomoea aquatica	Leaf	510.0	3810.0	-0.1219193634701567	--
Isatis tinctoria	Root		4410.0	0.983571092632467	--
Juglans nigra	Seed	1795.0	2155.0	-0.3125599623182312	--
Juglans nigra	Fruit		440.0	-0.782446331230241	--
Juglans nigra	Pericarp	53.0	440.0		--
Juglans regia	Seed	1310.0	1945.0	-0.3955295854108323	--
Juglans cinerea	Seed	2212.0	2676.0	-0.1067162783599209	--
Juncus effusus	Pith		920.0	-1.0	--
Juniperus virginiana	Shoot	266.0	8800.0	0.1803297587087861	--
Juniperus communis	Fruit	9.0	30.0	-0.9723001521392451	--
Jussiaea repens	Plant		3590.0	-0.14785758864200277	--
Lablab purpureus	Seed	400.0	5505.0	1.0110030727304051	--
Lactuca sativa	Leaf	110.0	8700.0	1.7662763330860864	--
Lagenaria siceraria	Fruit	110.0	2465.0	0.15524632082032805	--
Lantana camara	Fruit		1460.0	-0.31012706945662105	--
Larrea tridentata	Plant	566.0	1720.0	-0.7283692289718358	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Lens culinaris	Seed	765.0	1280.0	-0.6582667252040689	--
Lens culinaris	Sprout Seedling	345.0	1323.0	-1.3001386000145796	USDA's Ag Handbook 8 and sequelae)
Ligustrum lucidum	Fruit		1020.0	-0.5138726333589669	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.
Ligustrum japonicum	Fruit		1020.0	-0.5138726333589669	--
Linum usitatissimum	Hay		3100.0	-1.0	--
Linum usitatissimum	Seed	3715.0	7002.0	1.6024579573476614	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Liquidambar styraciflua	Stem	200.0	8400.0	1.5329158200441007	--
Liquidambar styraciflua	Leaf	280.0	5740.0	0.6233194288311829	--
Lobelia inflata	Leaf	183.0	1620.0	-0.9675530189830753	--
Lonicera japonica	Flower		2990.0	0.1284831726656581	--
Lophatherum gracile	Plant		2490.0	-0.48933502413013985	--
Luffa aegyptiaca	Fruit	140.0	2800.0	0.31037078424597775	--
Lupinus albus	Seed	1980.0	2200.0	-0.2947807573698167	--
Lycium chinense	Root Bark		2610.0	0.772104082928153	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.
Lycium chinense	Fruit		1060.0	-0.4953503093678446	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	Fruit	70.0	6000.0	1.792156703535766	--
Lycopersicon esculentum	Leaf		4300.0	0.06728634027474291	--
Lycopodium clavatum	Plant		2340.0	-0.5359001289694313	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.
Lygodium japonicum	Pollen Or Spore		2270.0		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Macadamia spp	Seed	1160.0	1190.0	-0.6938251351008979	USDA's Ag Handbook 8 and sequelae)
Magnolia kobus	Flower		2120.0	-0.5002813535669076	--
Magnolia fargesii	Flower		2120.0	-0.5002813535669076	--
Magnolia denudata	Flower		2120.0	-0.5002813535669076	--
Magnolia officinalis	Bark		690.0	-0.722862448696057	--
Malpighia glabra	Fruit	180.0	2095.0	-0.01608517609755371	--
Malus domestica	Fruit	48.0	478.0	-0.7648501234386748	--
Mangifera indica	Fruit	84.0	875.0	-0.5810160578267854	--
Manihot esculenta	Root	290.0	2100.0	-0.2455907206102601	--
Medicago sativa	Plant	432.0	2300.0	-0.548317490259909	--
Mentha spicata	Leaf	630.0	4360.0	0.09045438563126122	USDA's Ag Handbook 8 and sequelae)
Mentha pulegium	Plant		5500.0	0.44507141297830793	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Mentha arvensis var. piperascens	Plant		2830.0	-0.38378745316107926	Suzuki, A., Morimoto, I., and Okitsu, T., Elution of Metals from Crude Drugs, Shoykugaku Zasshi 36(3):190-195.
Mentha x piperita	Leaf	985.0	6610.0	0.9592560865006985	--
Momordica charantia	Fruit	195.0	3800.0	0.7734288840240365	=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
Morinda sp	Root		1200.0	-0.724484933561972	--
Moringa oleifera	Shoot	1470.0	6890.0	-0.08383731719594234	USDA's Ag Handbook 8 and sequelae)
Moringa oleifera	Fruit	450.0	3815.0	0.7803747555207075	USDA's Ag Handbook 8 and sequelae)
Morus alba	Root Bark	2310.0	2450.0	0.5507122311924819	--
Murraya sp	Fruit	355.0	1118.0	-0.46849293958071714	--
Musa x paradisiaca	Fruit	355.0	1118.0	-0.46849293958071714	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Myrica cerifera	Bark	107.0	490.0	-0.8592515899594639	--
Myristica fragrans	Seed	1830.0	2030.0	-0.36194664273049376	--
Myristica fragrans	Aril		1630.0		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Nardostachys chinensis	Rhizome		2590.0	0.9749556771069214	--
Nasturtium officinale	Herb	210.0	4200.0	-0.6852790240602671	USDA's Ag Handbook 8 and sequelae)
Nelumbo nucifera	Seed	560.0	2650.0	-0.1169887078856715	--
Nelumbo nucifera	Rhizome	200.0	1215.0	-0.4416127218596474	--
Nepeta cataria	Plant	248.0	2070.0	-0.6197173176801558	--
Notopterygium incisum	Rhizome		2980.0	1.3767459866319847	--
Nyssa sylvatica	Stem	300.0	4400.0	-0.15315107642970374	--
Nyssa sylvatica	Leaf	500.0	9100.0	1.9207299687962087	--
Ocimum basilicum	Leaf	4100.0	4340.0	0.08273170384575512	USDA's Ag Handbook 8 and sequelae)
Oenothera biennis	Seed	4300.0	5300.0	0.9300089168542945	--
Oenothera biennis	Herb	2700.0	3900.0	-0.7287122016415516	--
Ophiopogon japonicus	Tuber	390.0	410.0	-0.9468036301285592	--
Opuntia ficus-indica	Seed		790.0	-0.8518625124201381	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
Opuntia ficus-indica	Bud		1420.0	-1.0	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
Origanum majorana	Plant	3300.0	3900.0	-0.0516230386408005	USDA's Ag Handbook 8 and sequelae)
Origanum vulgare	Plant	2600.0	3016.0	-0.32604672316035793	USDA's Ag Handbook 8 and sequelae)
Oryza sativa	Plant	1100.0	2200.0	-0.5793608934861032	--
Pachyrhizus erosus	Tuber	160.0	1475.0	-0.08127069786511237	--
Paeonia moutan	Root Bark	930.0	1180.0	-1.2065855919594075	--
Paeonia lactiflora	Root	580.0	990.0	-0.836226916584038	--
Paeonia suffruticosa	Root Bark	930.0	1180.0	-1.2065855919594075	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Panax japonicus	Rhizome		2400.0	0.7792116801588138	--
Panax ginseng	Root	102.0	481.0	-1.107068199242284	--
Panax quinquefolius	Plant	980.0	2200.0	-0.5793608934861032	--
Panicum maximum	Leaf		4500.0	0.14451315812980398	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Papaver somniferum	Seed	3148.0	15600.0	4.99947138282473	--
Parthenium integrifolium	Root	320.0	2000.0	-0.29880118871600586	--
Passiflora incarnata	Flower	275.0	2500.0	-0.22564857199406282	--
Pastinaca sativa	Root	230.0	2100.0	-0.2455907206102601	--
Perideridia gairdneri	Root		500.0	-1.0969582103021922	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.
Perilla frutescens	Plant		3830.0	-0.0733534208991365	Suzuki, A., Morimoto, I., and Okitsu, T., Elution of Metals from Crude Drugs, Shoykugaku Zasshi 36(3):190-195.
Persea americana	Fruit	370.0	1740.0	-0.1804708015187646	--
Petasites japonicus	Pt	140.0	2545.0	1.0	USDA's Ag Handbook 8 and sequelae)
Petroselinum crispum	Plant	250.0	3160.0	-0.28134422251463814	--
Phaseolus vulgaris	Fruit	210.0	18000.0	7.348853900872472	--
Phaseolus vulgaris	Sprout Seedling	210.0	2258.0	0.6301981860332678	USDA's Ag Handbook 8 and sequelae)
Phaseolus lunatus	Seed	580.0	7000.0	1.6016677704610653	--
Phaseolus vulgaris	Seed	510.0	3430.0	0.1911841778868468	--
Phaseolus coccineus	Seed		1780.0	-0.46072000355501885	--
Phaseolus acutifolius	Seed	1500.0	1865.0	-0.42713706087468034	--
Phellodendron amurense	Bark		650.0	-0.7501402769487383	--
Phoenix dactylifera	Fruit	325.0	790.0	-0.6203759963079205	--
Phyllanthus emblica	Fruit	118.0	584.0	-0.7157659648622006	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Physalis peruviana	Fruit	310.0	1810.0	-0.14805673453430046	--
Physalis ixocarpa	Fruit	230.0	2150.0	0.009383019390239524	--
Phytelephas aequatorialis	Mesocarp	320.0	1005.0		KOZIOL & PEDERSEN. 1993. PHYTELEPHAS AEQUATORIALIS(ARECACEAE) IN HUMAN AND ANIMAL NUTRITION. ECON. BOT. 47:401-307.
Phytelephas aequatorialis	Flower	440.0	1505.0	-0.9447528290071695	KOZIOL & PEDERSEN. 1993. PHYTELEPHAS AEQUATORIALIS(ARECACEAE) IN HUMAN AND ANIMAL NUTRITION. ECON. BOT. 47:401-307.
Pimenta dioica	Fruit	1200.0	1480.0	-0.3008659074610599	--
Pimpinella anisum	Fruit		1878.0	-0.11656878374939247	--
Pimpinella anisum	Seed		1878.0	-0.42200084611180505	--
Pinellia ternata	Tuber	560.0	710.0	-0.702991536533222	--
Pinus edulis	Seed	2180.0	2650.0	-0.1169887078856715	USDA's Ag Handbook 8 and sequelae)
Pinus echinata	Shoot	255.0	2100.0	-0.7463296175015178	--
Piper nigrum	Fruit	1809.0	2319.0	0.08763983825273146	USDA's Ag Handbook 8 and sequelae)
Pistacia vera	Seed	949.0	1644.0	-0.5144527118435606	--
Pisum sativum	Plant	2200.0	3700.0	-0.11370984509318906	--
Pisum sativum	Fruit	218.0	2591.0	0.21359164139236345	--
Pisum sativum	Seed	319.0	1700.0	-0.4923274790188669	--
Plantago psyllium	Seed	111.0	510.0	-0.9624886765436063	--
Plantago asiatica	Plant		5320.0	0.38919328717115825	--
Plantago major	Seed	318.0	1060.0	-0.745187282729651	--
Platycodon grandiflorum	Root	1250.0	1510.0	-0.5595324824341601	--
Polygala tenuifolia	Root		960.0	-0.8521900570157618	--
Polygonum multiflorum	Root		2340.0	-0.11788559715647026	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Polygonum multiflorum	Rhizome		890.0	-0.7764379797972003	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.
Portulaca oleracea	Herb	670.0	18700.0	1.4139912257018183	--
Prunella vulgaris	Flower		4560.0	1.2631501912692535	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.
Prunus armeniaca	Fruit	76.0	615.0	-0.7014111637690807	USDA's Ag Handbook 8 and sequelae)
Prunus serotina	Leaf	435.0	9600.0	2.1137970134338615	--
Prunus persica	Bark		4220.0	1.6844058946030764	--
Prunus cerasus	Fruit	90.0	648.0	-0.6861302464764049	--
Prunus persica	Seed		3810.0	0.341319686340125	--
Prunus dulcis	Seed	2297.0	3126.0	0.07107577112422428	USDA's Ag Handbook 8 and sequelae)
Prunus armeniaca	Seed		1750.0	-0.47257280685396186	Suziki, A., Morimoto, I., and Okitsu, T., Elution of Metals from Crude Drugs, Shoykugaku Zasshi 36(3):190-195.
Prunus serotina	Stem	28.0	5400.0	0.26836564768874727	--
Prunus persica	Fruit	68.0	850.0	-0.5925925103212369	--
Prunus domestica	Fruit	68.0	3400.0	0.5882056441128131	--
Psidium guajava	Fruit	98.0	735.0	-0.6458441917957137	USDA's Ag Handbook 8 and sequelae)
Psidium cattleianum	Fruit	170.0	880.0	-0.5787007673278952	--
Psophocarpus tetragonolobus	Seed	340.0	2623.0	-0.12765623085472022	--
Psophocarpus tetragonolobus	Leaf	80.0	346.0	-1.4594878487198142	--
Psoralea esculenta	Root		1400.0	-0.6180639973504805	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.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Pueraria montana</i>	Shoot	800.0	850.0	-0.9192138294810521	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Pueraria pseudohirsuta</i>	Root	1470.0	3690.0	0.6004557222710976	--
<i>Pulsatilla chinensis</i>	Root		3190.0	0.3344033817423687	--
<i>Punica granatum</i>	Fruit		120.0	-0.9306249231592199	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Pyrus communis</i>	Fruit	54.0	1110.0	-0.47219740437894164	--
<i>Quercus velutina</i>	Stem	235.0	6820.0	0.8669193959369481	--
<i>Quercus rubra</i>	Seed		500.0	-0.9664396109765873	--
<i>Quercus alba</i>	Bark	37.0	160.0	-1.0842936730440853	--
<i>Quercus stellata</i>	Stem	175.0	5880.0	0.47069367526560413	--
<i>Quercus phellos</i>	Stem	210.0	2940.0	-0.7685654936426423	--
<i>Quercus rubra</i>	Stem	200.0	8580.0	1.6087888303854219	--
<i>Quercus alba</i>	Stem	100.0	5320.0	0.2346443097592712	--
<i>Quisqualis indica</i>	Fruit		1040.0	-0.5046114713634058	--
<i>Raphanus sativus</i>	Seed		3960.0	0.40058370283484	--
<i>Raphanus sativus</i>	Root	85.0	3570.0	0.5366031605442027	--
<i>Rehmannia glutinosa</i>	Root		1190.0	-0.7298059803725465	--
<i>Rheum rhabarbarum</i>	Pt	90.0	1975.0	-1.0	--
<i>Rheum palmatum</i>	Rhizome	1980.0	2560.0	0.9440487302203782	--
<i>Rhizophora mangle</i>	Leaf		8800.0	1.8048897420136172	--
<i>Rhodymenia palmata</i>	Plant		5930.0	0.5785580468509434	--
<i>Rhus copallina</i>	Leaf	405.0	9600.0	2.1137970134338615	--
<i>Rhus glabra</i>	Stem	147.0	4690.0	-0.030911226435352948	--
<i>Rhus copallina</i>	Stem	375.0	4270.0	-0.20794825056510238	--
<i>Ribes uva-crispa</i>	Fruit	86.0	938.0	-0.5518433975407677	--
<i>Ribes rubrum</i>	Fruit	122.0	935.0	-0.5532325718401019	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Ribes nigrum	Fruit	220.0	1720.0	-0.18973196351432575	--
Rosa laevigata	Fruit		2830.0	0.32426252723931953	--
Rosa canina	Fruit	260.0	1390.0	-0.3425411364410852	--
Rosmarinus officinalis	Plant	2142.0	2483.0	-0.49150806235597344	USDA's Ag Handbook 8 and sequelae)
Rosmarinus officinalis	Leaf	910.0	2825.0	-0.5022614414063324	USDA's Ag Handbook 8 and sequelae)
Rubia cordifolia	Root		1870.0	-0.36797479725347537	--
Rubus idaeus	Fruit	175.0	1400.0	-0.33791055544330456	Revised USDA data received 1993.
Rubus chingii	Fruit		2740.0	0.28258729825929424	--
Rubus chamaemorus	Fruit	270.0	1875.0	-0.11795795804872665	--
Rubus idaeus	Leaf	539.0	3190.0	-0.361322498820846	--
Rumex crispus	Root	822.0	3200.0	0.33972442855294327	--
Rumex acetosa	Leaf	460.0	4600.0	0.1831265670573345	--
Ruscus aculeatus	Root	707.0	2340.0	-0.11788559715647026	--
Salix alba	Bark	941.0	5600.0	2.6254909693205843	--
Salvia officinalis	Leaf	444.0	2830.0	-0.5003307709599559	--
Salvia miltiorrhiza	Root		3230.0	0.355687568984667	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.
Sambucus nigra	Fruit	265.0	1635.0	-0.22909190199546076	--
Santalum acuminatum	Fruit	400.0	1715.0	-0.19204725401321607	--
Sassafras albidum	Stem	77.0	4760.0	-0.0014050557470613755	--
Sassafras albidum	Leaf	990.0	6800.0	1.0326215634630065	--
Schisandra chinensis	Fruit	414.0	2760.0	0.2918484602548554	--
Schizonepeta tenuifolia	Plant		3390.0	-0.20994439509439133	--
Scrophularia buergeriana	Root		2060.0	-0.2668749078525584	--
Scutellaria lateriflora	Plant	155.0	1130.0	-0.911525308006382	--
Scutellaria baicalensis	Root	7170.0	7220.0	2.478785246403923	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Secale cereale</i>	Seed	1185.0	1740.0	-0.47652374128694286	USDA's Ag Handbook 8 and sequelae)
<i>Sechium edule</i>	Fruit	140.0	2000.0	-0.060075695576469294	--
<i>Sechium edule</i>	Leaf	670.0	3785.0	-0.13157271570203932	--
<i>Senna occidentalis</i>	Seed		2880.0	-0.026117215927108417	--
<i>Senna obtusifolia</i>	Seed	2820.0	3220.0	0.10821455479424573	--
<i>Senna alexandrina</i>	Leaf	1577.0	7770.0	1.4071716300600525	--
<i>Serenoa repens</i>	Fruit	510.0	3930.0	0.8336264369951842	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Sesamum indicum</i>	Seed	3052.0	4082.0	0.4487851029172083	USDA's Ag Handbook 8 and sequelae)
<i>Siegesbeckia orientalis</i>	Plant		2660.0	-0.43656123864560953	--
<i>Silybum marianum</i>	Plant		4030.0	-0.01126661444674794	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Silybum marianum</i>	Leaf	887.0	4030.0	-0.03696986382958952	--
<i>Simmondsia chinensis</i>	Seed		1410.0	-0.6069045775753158	--
<i>Sinapis alba</i>	Seed	2863.0	3282.0	0.13271034827872796	--
<i>Sinomenium acutum</i>	Rhizome		360.0	-1.3224607081261324	--
<i>Smilax spp</i>	Root	351.0	1670.0	-0.4743957334649669	--
<i>Smilax officinalis</i>	Root	351.0	1670.0	-0.4743957334649669	--
<i>Solanum tuberosum</i>	Tuber	190.0	4250.0	2.173991167891756	--
<i>Solanum melongena</i>	Fruit	85.0	1563.0	-0.262432085179481	--
<i>Sophora subprostrata</i>	Root		1880.0	-0.36265375044290077	--
<i>Sophora angustifolia</i>	Root	2140.0	3720.0	0.6164188627028213	--
<i>Sorbus aucubaria</i>	Fruit	190.0	1190.0	-0.4351527563966969	--
<i>Spinacia oleracea</i>	Plant	420.0	11000.0	2.1524585904189935	--
<i>Spirulina spp.</i>	Plant		2550.0	-0.47070898219442325	--
<i>Spirulina pratensis</i>	Plant		2550.0	-0.47070898219442325	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Spondias dulcis</i>	Fruit	48.0	240.0	-0.8750579511858528	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Spondias tuberosa	Fruit		90.0	-0.9445166661525616	--
Spondias dulcis	Seed		1200.0	-0.6898742006679169	--
Stachys officinalis	Plant	185.0	1100.0	-0.9208383289742403	--
Stellaria media	Plant	439.0	5290.0	0.37988026620329995	--
Stevia rebaudiana	Plant		2890.0	-0.3651614112253627	Kinghorn, A. D. (Ed.) 2002. Medicinal and Aromatic Plants - Industrial Profiles. Stevia. The genus Stevia. Taylor & Francis. New York, NY. 211 pp.
Stevia rebaudiana	Leaf		3490.0	-0.24548227203825437	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Symphoricarpos orbiculatus	Stem	380.0	8800.0	1.7015225096914812	--
Symphytum officinale	Root		1700.0	-0.45843259303324313	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Symphytum officinale	Leaf	77.0	700.0	-1.3227963811163561	--
Syzygium jambos	Fruit	40.0	260.0	-0.8657967891902916	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Syzygium aromaticum	Flower	2640.0	3020.0	0.15016470805298793	--
Syzygium cumini	Fruit	350.0	2145.0	0.00706772889134923	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Syzygium aromaticum	Fruit	2640.0	3020.0	0.4122435661971507	--
Tabebuia heptaphylla	Bark	145.0	810.0	-0.6410289639380128	--
Tamarindus indica	Leaf		710.0	-1.318935040223603	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Tamarindus indica	Fruit	920.0	1341.0	-0.36523098333021004	USDA's Ag Handbook 8 and sequelae)
Tanacetum parthenium	Plant		2400.0	-0.5172740870337147	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Taraxacum officinale	Leaf	360.0	2500.0	-0.6277550204208067	--
Taraxacum mongolicum	Plant		4050.0	-0.0050579338015090845	--
Taraxacum officinale	Root	225.0	1570.0	-0.5276062015707126	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Tephrosia purpurea	Leaf		10300.0	2.384090875926575	--
Tetragonia tetragonioides	Leaf	390.0	6500.0	0.916781336680415	--
Tetrapanax papyrifera	Pith		2120.0	1.0	--
Thymus vulgaris	Plant	1630.0	2992.0	-0.3334971399346445	USDA's Ag Handbook 8 and sequelae)
Thymus vulgaris	Leaf	733.0	4360.0	0.09045438563126122	--
Tragopogon porrifolius	Root	140.0	1000.0	-0.8309058697734635	--
Trichosanthes anguina	Fruit	530.0	9815.0	3.5587233541890604	--
Trifolium pratense	Flower	628.0	3490.0	0.4898420957878223	--
Trifolium pratense	Hay	2400.0	8100.0	1.0	--
Trigonella foenum-graecum	Seed	157.0	1210.0	-0.6859232662349359	--
Triticum aestivum	Seed	530.0	3500.0	0.21884071891771384	--
Triticum aestivum	Plant	300.0	7000.0	0.9107224613712221	--
Turnera diffusa	Leaf	428.0	2040.0	-0.8053767014874471	--
Tussilago farfara	Flower		1080.0	-1.2519079136610092	--
Ulmus rubra	Bark	95.0	580.0	-0.7978764763909307	--
Urtica dioica	Fruit Juice				Jim Duke's personal files.
Urtica dioica	Leaf	1720.0	8600.0	1.727662924158556	--
Vaccinium vitis-idaea	Fruit	80.0	600.0	-0.7083570352657517	--
Vaccinium corymbosum	Fruit	48.0	332.0	-0.8324566060062714	--
Vaccinium myrtillus	Fruit	312.0	3900.0	0.8197346940018424	--
Vaccinium macrocarpon	Fruit	240.0	2000.0	-0.060075695576469294	--
Valeriana officinalis	Root	375.0	3180.0	0.3290823349317941	--
Valerianella locusta	Plant	3773.0	3798.0	-0.08328730993151867	--
Valerianella radicata	Plant	2940.0	3226.0	-0.26085557638534995	--
Verbascum thapsus	Leaf	1421.0	3230.0	-0.34587713524983377	--
Viburnum opulus	Bark		3110.0	0.9274461605911677	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Vicia faba	Seed	380.0	2000.0	-0.37379944602943677	USDA's Ag Handbook 8 and sequelae)
Vicia faba	Fruit	330.0	2260.0	0.06031941036582599	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Vigna unguiculata	Seed	3141.0	3952.0	0.3974229552884552	USDA's Ag Handbook 8 and sequelae)
Vigna radiata	Seed	1777.0	2203.0	-0.2935954770399224	USDA's Ag Handbook 8 and sequelae)
Vigna mungo	Seed	1850.0	2076.0	-0.3437723443387811	--
Vigna unguiculata	Shoot	430.0	4207.0	-0.4549159897888148	--
Vigna unguiculata	Seed	389.0	14400.0	4.52535925086701	--
Vigna unguiculata	Fruit	374.0	4160.0	0.9401297999441377	USDA's Ag Handbook 8 and sequelae)
Vigna angularis	Seed	1270.0	1467.0	-0.5843842513073241	--
Vigna radiata	Sprout Seedling	176.0	2560.0	1.2536866452701125	USDA's Ag Handbook 8 and sequelae)
Vigna aconitifolia	Seed	2250.0	4962.0	0.7964673330195366	--
Vigna unguiculata	Shoot	430.0	4207.0	-0.4549159897888148	USDA's Ag Handbook 8 and sequelae)
Viscum album	Leaf		3110.0	-0.3922132259628704	--
Vitis vinifera	Fruit	58.0	2310.0	0.08347231535472893	--
Vitis vinifera	Stem		4360.0	-0.17001174539444178	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Xanthosoma sagittifolium	Root	270.0	2100.0	-0.2455907206102601	--
Xanthosoma sagittifolium	Leaf	510.0	3170.0	-0.36904518060635205	--
Yucca baccata	Root	106.0	510.0	-1.0916371634916178	--
Zea mays	Silk Stigma Style		1790.0		--
Zea mays	Seed	100.0	1600.0	-0.531836823348677	--
Zingiber officinale	Root	188.0	2690.0	0.0683510412136399	--
Zingiber officinale	Rhizome	430.0	2690.0	1.0779788333953992	--
Zizyphus jujuba	Fruit		620.0	-0.6990958732701904	--