

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for RIBOFLAVIN

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Abelmoschus esculentus</i>	Fruit	0.6	7.0	0.42634167420268376	--
<i>Abelmoschus esculentus</i>	Seed		1.4	-0.8141150164097362	Wealth of India.
<i>Acacia nilotica</i>	Plant				--
<i>Acacia farnesiana</i>	Leaf	2.0	9.0	-0.13567415267130314	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Achillea millefolium</i>	Plant	1.0	5.6	-0.40499841324824026	--
<i>Actaea racemosa</i>	Root		0.65	-0.7494350947665785	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Actinidia chinensis</i>	Fruit	0.5	3.0	-0.4303249009534089	--
<i>Aegle marmelos</i>	Fruit	12.0	31.0	5.56634112513924	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Agathosma betulina</i>	Leaf		1.1	-0.172705289047245	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Allium sativum</i> var. <i>sativum</i>	Root	0.6	1.6	-0.5415349954750799	--
<i>Allium sativum</i> var. <i>sativum</i>	Leaf	1.4	10.3	-0.1295804213689329	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Allium cepa</i>	Bulb	0.4	15.0	1.0	--
<i>Allium schoenoprasum</i>	Leaf	1.0	22.0	-0.07473683964760136	--
<i>Allium sativum</i> var. <i>sativum</i>	Flower	0.6	5.2	-0.23690854372659376	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Allium ampeloprasum</i>	Leaf	0.6	9.4	-0.13379915842441997	--
<i>Allium sativum</i> var. <i>sativum</i>	Shoot	0.6	2.7	-1.5303223644744455	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Allium sativum</i> var. <i>sativum</i>	Bulb	0.5	3.0	-1.0	--
<i>Allium ampeloprasum</i>	Flower	1.9	11.2	1.171289093809103	--
<i>Alocasia macrorrhiza</i>	Leaf	0.1	3.4	-0.16192407212766696	--
<i>Alocasia macrorrhiza</i>	Root	0.2	0.6	-0.7603772052556049	--
<i>Aloe vera</i>	Leaf				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Aloe</i> spp.	Leaf				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Alpinia galanga	Rhizome	0.0	1.0	-1.089628007825215	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Althaea officinalis	Root	0.1	0.5	-0.7822614262336574	--
Amaranthus spinosus	Leaf	1.6	20.0	-0.08411181088201701	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Amaranthus sp.	Leaf	1.0	26.0	-0.05598689717877004	--
Amorphophallus konjac	Bark				--
Amorphophallus campanulatus	Root	0.2	3.2	-0.19138745982624014	--
Anacardium occidentale	Leaf	0.1	0.3	-0.1764552775410112	--
Anacardium occidentale	Fruit	2.4	16.7	2.503758118956209	--
Anacardium occidentale	Seed	2.0	3.3	-0.08593205408306458	--
Ananas comosus	Fruit	0.0	3.0	-0.4303249009534089	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Anethum graveolens	Fruit		3.0	-0.4303249009534089	--
Anethum graveolens	Plant		3.0	-0.5861819139119265	USDA's Ag Handbook 8 and sequelae)
Anethum graveolens	Seed		3.0	-0.20090831129253928	USDA's Ag Handbook 8 and sequelae)
Angelica sinensis	Root	0.8	3.4	-0.14761901787013534	--
Annona diversifolia	Fruit	0.3	10.0	1.0688416055697534	--
Annona squamosa	Fruit	1.0	5.0	-0.0019916133753625524	--
Annona cherimola	Fruit	1.0	5.5	0.10509170851914904	--
Annona reticulata	Fruit	0.7	5.5	0.10509170851914904	--
Annona muricata	Fruit	0.5	6.0	0.21217503041366062	--
Annona glabra	Fruit	0.7	5.0	-0.0019916133753625524	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Apium graveolens	Fruit	0.1	0.6	-0.9443248460470646	--
Apium graveolens	Seed	0.1	0.6	-1.1207183689683347	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Apium graveolens	Pt	0.0	34.0	1.3317125985137388	--
Arachis hypogaea	Seed	1.3	3.1	-0.16258289222271427	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Arachis hypogaea</i>	Leaf	5.8	27.0	-0.05129941156156221	--
<i>Aralia cordata</i>	Leaf	0.2	4.0	-0.15911158075734227	--
<i>Arctium lappa</i>	Root	0.8	3.4	-0.14761901787013534	--
<i>Arctostaphylos uva-ursi</i>	Leaf		0.0	-0.1778615232261736	--
<i>Areca catechu</i>	Seed	6.9	7.9	1.6770372231288766	--
<i>Armoracia rusticana</i>	Root	4.0	20.0	3.485161664486578	--
<i>Arracacia xanthorrhiza</i>	Root	0.2	0.7	-0.7384929842775523	--
<i>Artemisia vulgaris</i>	Leaf	1.6	13.0	-0.11692421020247182	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Artemisia dracunculus</i>	Plant	13.0	14.0	0.18036366581905444	USDA's Ag Handbook 8 and sequelae)
<i>Artocarpus altilis</i>	Fruit	0.3	1.0	-0.8586581885314553	--
<i>Artocarpus heterophyllus</i>	Fruit	1.0	4.0	-0.21615825716438572	--
<i>Artocarpus altilis</i>	Seed	1.0	7.0	1.332108451500453	--
<i>Asparagus officinalis</i>	Root	2.4	24.0	4.360530503608677	--
<i>Asparagus officinalis</i>	Shoot	1.0	36.0	1.7066843792550757	--
<i>Astragalus membranaceus</i>	Root	0.4	2.5	-0.3445770066726076	--
<i>Avena sativa</i>	Seed	0.66	11.7	3.1334031477822193	Jim Duke's personal files.*
<i>Avena sativa</i>	Plant	0.4	2.0	-0.6558678757056521	--
<i>Averrhoa bilimbi</i>	Fruit	0.25	5.2	0.04084171538244231	--
<i>Averrhoa carambola</i>	Fruit	0.2	5.2	0.04084171538244231	--
<i>Bactris gasipaes</i>	Fruit	1.0	6.0	0.21217503041366062	--
<i>Barosma betulina</i>	Leaf		1.1	-0.172705289047245	--
<i>Benincasa hispida</i>	Fruit	0.1	28.0	4.92384119377217	--
<i>Berberis vulgaris</i>	Root		9.4	1.1654342408130138	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Berberis vulgaris</i>	Bark		9.4	2.0673075679276955	--
<i>Bertholletia excelsa</i>	Seed	0.35	1.0	-0.9674166926890354	USDA's Ag Handbook 8 and sequelae)

Plant	Part	Low PPM	High PPM	StdDev	Reference
Beta vulgaris	Leaf	1.7	26.0	-0.05598689717877004	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Beta vulgaris	Root	0.2	3.9	-0.0381979129798729	--
Bixa orellana	Seed		5.0	0.565600070103957	Duke, J. A. and duCellier, J. L. 1993. CRC Handbook of Alternative Cash Crops. CRC Press. Boca Raton, FL 33431. 536 pp. US \$312.50.
Bixa orellana	Fruit	0.5	3.0	-0.4303249009534089	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Blighia sapida	Aril	1.4	4.5	-0.5080005080007637	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Blighia sapida	Seed	0.9	6.0	0.948854260802205	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Boehmeria nivea	Leaf	2.8	22.0	-0.07473683964760136	--
Boehmeria nivea	Shoot		16.0	-0.23746381517706913	--
Borago officinalis	Leaf	1.0	21.0	-0.07942432526480918	USDA's Ag Handbook 8 and sequelae)
Brassica rapa	Leaf	0.7	15.0	-0.10754923896805615	USDA's Ag Handbook 8 and sequelae)
Brassica rapa	Root	0.3	4.0	-0.0163136920018201	--
Brassica oleracea var. viridis l.	Leaf	0.6	10.5	-0.1286429242454914	--
Brassica oleracea var. botrytis l.	Leaf	1.1	21.0	-0.07942432526480918	--
Brassica chinensis	Leaf	0.7	15.0	-0.10754923896805615	--
Brassica oleracea var. botrytis l.	Flower	0.3	11.0	1.1243491725579133	--
Brassica oleracea	Stem	0.2	2.2	-0.9061422578020815	--
Brassica oleracea var. capitata l.	Leaf	0.0	4.0	-0.15911158075734227	--
Brassica nigra	Leaf	0.56	9.72	-0.1322991630269135	USDA's Ag Handbook 8 and sequelae)
Brassica oleracea var. italica	Leaf	1.1	21.0	-0.07942432526480918	--
Brassica oleracea var. sabellica l.	Leaf	1.0	8.0	-0.14036163828851098	--
Brassica oleracea var. gemmifera	Leaf	0.4	10.0	-0.1309866670540953	USDA's Ag Handbook 8 and sequelae)
Brassica napus var. napobrassica	Root	0.4	4.0	-0.0163136920018201	USDA's Ag Handbook 8 and sequelae)

Plant	Part	Low PPM	High PPM	StdDev	Reference
Bromelia pinguin	Shoot	0.4	9.0	-0.9179156832283197	--
Brosimum alicastrum	Fruit	0.1	2.3	-0.5802415516057251	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Bupleurum chinense	Root				--
Byrsonima crassifolia	Fruit	0.1	2.3	-0.5802415516057251	--
Cajanus cajan	Seed	1.7	8.0	1.7153626421987014	--
Cajanus cajan	Fruit	1.6	6.9	0.40492500982378155	--
Calathea macrosepala	Flower	1.0	13.0	1.5937483850698122	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Camellia sinensis	Leaf	8.0	12.0	-0.12161169581967965	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Canavalia ensiformis	Seed	1.3	1.7	-0.6991387592002618	--
Canavalia ensiformis	Fruit	1.0	4.7	-0.06624160651206927	--
Canna indica	Root	0.1	0.3	-0.8260298681897623	--
Cannabis sativa	Seed	1.7	2.0	-0.5841625019907875	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Capparis spinosa	Flower	0.89	2.16	-0.95039534674468	--
Capsella bursa-pastoris	Plant	1.7	14.4	0.20823805053654482	--
Capsicum frutescens	Fruit	1.0	8.0	0.6405083179917069	--
Capsicum annuum	Fruit	0.0	19.0	2.9963413996709614	--
Carica papaya	Leaf	5.0	21.0	-0.07942432526480918	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Carica papaya	Fruit	0.4	3.0	-0.4303249009534089	--
Carthamus tinctorius	Flower	0.5	3.6	-0.6124279137361128	--
Carthamus tinctorius	Seed	1.0	2.0	-0.5841625019907875	--
Carum carvi	Seed	3.0	4.0	0.18234587940570884	USDA's Ag Handbook 8 and sequelae)
Carum carvi	Fruit	3.0	4.0	-0.21615825716438572	--
Carya illinoensis	Seed	1.1	1.3	-0.8524404354795608	--
Casimiroa edulis	Fruit	0.4	3.9	-0.23757492154328796	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Catha edulis	Leaf		0.5	-0.17551778041756969	--
Caulophyllum thalictroides	Root	1.0	7.9	0.8371709261422265	--
Centella asiatica	Leaf	1.4	13.0	-0.11692421020247182	--
Chamaemelum nobile	Flower		4.3	-0.44813818935694794	--
Chenopodium album	Leaf	12.0	76.0	0.17838738368162155	--
Chenopodium ambrosioides	Leaf	3.0	19.0	-0.08879929649922484	--
Chenopodium album	Seed	1.0	2.0	-0.5841625019907875	--
Chondrus crispus	Plant		1.1	-0.7185852413200051	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Chrysanthemum coronarium	Leaf	1.9	29.0	-0.04192444032714655	--
Chrysanthemum parthenium	Leaf	0.5	2.5	-0.16614280918315402	--
Chrysanthemum coronarium	Bud	2.2	30.0	1.0000000000000002	--
Chrysanthemum parthenium	Plant		2.5	-0.6210248948087893	--
Chrysophyllum cainito	Fruit	0.2	1.7	-0.708741537879139	--
Cicer arietinum	Seed	2.0	3.0	-0.20090831129253928	USDA's Ag Handbook 8 and sequelae)
Cichorium endivia	Leaf	0.7	13.0	-0.11692421020247182	--
Cichorium intybus	Root	0.0	2.0	-0.45399811156287	USDA's Ag Handbook 8 and sequelae)
Cichorium intybus	Leaf	1.0	29.0	-0.04192444032714655	USDA's Ag Handbook 8 and sequelae)
Cimicifuga racemosa	Root	0.1	0.7	-0.7384929842775523	--
Cinnamomum verum	Bark		1.0	-0.703764278443471	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Cinnamomum aromaticum	Bark	1.0	2.0	-0.373874772923094	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Citrullus lanatus	Seed		1.0	-0.9674166926890354	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Citrullus lanatus	Fruit	2.0	8.0	0.6405083179917069	--
Citrus reticulata	Fruit	0.0	4.0	-0.21615825716438572	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Citrus aurantium	Fruit	1.0	3.0	-0.4303249009534089	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Citrus paradisi	Fruit	0.0	5.0	-0.0019916133753625524	--
Citrus limon	Fruit	2.0	3.0	-0.4303249009534089	--
Citrus sinensis	Fruit	0.0	3.0	-0.4303249009534089	--
Citrus aurantiifolia	Fruit	0.0	2.0	-0.6444915447424321	--
Cnicus benedictus	Plant	0.3	2.1	-0.6488992795262795	--
Cnidioscolus chayamansa	Leaf	3.0	25.0	-0.060674382795977866	--
Cocos nucifera	Seed	0.2	0.7	-1.0823929498985099	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Coffea arabica	Seed		1.0	-0.9674166926890354	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Coffea arabica	Leaf		2.0	-0.16848655199175794	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Coix lacryma-jobi	Seed	0.6	2.1	-0.5458370829209624	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Cola acuminata	Seed		1.0	-0.9674166926890354	--
Colocasia esculenta	Root	0.2	1.6	-0.5415349954750799	--
Colocasia esculenta	Leaf	3.0	35.0	-0.013799526623899577	--
Corchorus olitorius	Leaf	2.6	44.0	0.02838784393097102	--
Coriandrum sativum	Leaf	1.0	21.0	-0.07942432526480918	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Coriandrum sativum	Fruit	3.0	4.0	-0.21615825716438572	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Corylus avellana	Seed	0.6	4.4	0.3356475556850082	--
Crataegus rhipidophylla	Fruit				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Crataegus laevigata	Fruit				--
Crescentia alata	Seed		1.2	-0.8907658545493858	--
Crocus sativus	Silk Stigma Style	56.0	138.0	1.0	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Cucumis sativus	Fruit	0.2	5.1	0.019425051003539688	--
Cucumis melo	Fruit	0.2	2.4	-0.5588248872268227	USDA's Ag Handbook 8 and sequelae)
Cucurbita pepo	Seed	2.7	4.9	0.5272746510341323	--
Cucurbita pepo	Fruit	1.1	13.1	1.732758201315725	USDA's Ag Handbook 8 and sequelae)
Cucurbita spp	Fruit	0.4	6.0	0.21217503041366062	--
Cucurbita pepo	Flower	0.7	15.0	2.063147597581711	USDA's Ag Handbook 8 and sequelae)
Cuminum cyminum	Fruit	3.0	4.0	-0.21615825716438572	--
Cuminum cyminum	Seed	3.0	4.0	0.18234587940570884	--
Curcuma longa	Rhizome	0.0	12.0	1.6190517856385973	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Curcuma longa	Plant				--
Cyclanthera pedata	Fruit	0.3	5.0	-0.0019916133753625524	--
Cydonia oblonga	Fruit	0.3	1.9	-0.6659082091213343	--
Cynara cardunculus	Flower	0.6	7.0	0.18555074753411543	--
Cyphomandra betacea	Fruit	0.3	3.0	-0.4303249009534089	--
Cyrtosperma chamissonis	Root	0.2	1.0	-0.6728403213433949	--
Daucus carota	Root	0.6	5.0	0.20252851777870476	--
Dioscorea alata	Root	0.2	1.1	-0.6509561003653422	--
Dioscorea sp.	Root		0.65	-0.7494350947665785	--
Dioscorea villosa	Root	0.1	0.6	-0.7603772052556049	--
Dioscorea pentaphylla	Root	0.2	1.0	-0.6728403213433949	--
Diospyros digyna	Fruit	0.3	1.5	-0.7515748666369436	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Durio zibethinus	Fruit	2.0	10.0	1.0688416055697534	J Cell Biochem VOL. 22=1995
Echinacea spp	Bark		3.0	-0.04398526740271707	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Echinacea purpurea	Root	3.0	12.0	1.734423986242379	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Elaeagnus commutata</i>	Fruit	0.5	3.6	-0.30182491467999506	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Elaeagnus umbellatus</i>	Fruit	2.9	16.0	2.3538414683038917	--
<i>Elaeis guineensis</i>	Fruit	1.0	1.7	-0.708741537879139	--
<i>Eleocharis dulcis</i>	Tuber	0.2	9.0	1.7132052119747374	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Elettaria cardamomum</i>	Seed	1.0	2.0	-0.5841625019907875	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Eleutherococcus senticosus</i>	Root	0.5	2.4	-0.3664612276506602	--
<i>Ephedra sinica</i>	Plant	2.3	11.0	-0.02869421956212218	--
<i>Equisetum arvense</i>	Plant	0.4	1.9	-0.6628364718850247	--
<i>Eriobotrya japonica</i>	Fruit	0.4	4.2	-0.17332492840658087	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Eriodictyon californicum</i>	Leaf				--
<i>Eryngium floridanum</i>	Shoot		15.0	-0.33467122489867634	--
<i>Erythrina fusca</i>	Leaf	1.7	5.2	-0.15348659801669293	--
<i>Erythrina berteroana</i>	Shoot	1.9	12.0	-0.626293454063498	--
<i>Erythroxylum coca</i>	Leaf	15.0	20.0	-0.08411181088201701	--
<i>Eugenia uniflora</i>	Fruit	0.4	4.5	-0.10907493526987413	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Eugenia brasiliensis</i>	Fruit	0.3	1.9	-0.6659082091213343	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
<i>Eugenia floribunda</i>	Fruit	0.2	1.6	-0.7301582022580414	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Eupatorium perfoliatum</i>	Plant				--
<i>Euphrasia officinalis</i>	Plant	3.0	18.0	0.45910751299395686	--
<i>Fagopyrum esculentum</i>	Seed	1.7	1.8	-0.6608133401304368	--
<i>Ficus carica</i>	Fruit	0.0	5.7	0.14792503727695389	--
<i>Foeniculum vulgare</i>	Plant	1.0	14.0	0.18036366581905444	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Plant	Part	Low PPM	High PPM	StdDev	Reference
Foeniculum vulgare	Seed	0.4	3.8	0.10569504126605948	--
Foeniculum vulgare	Fruit		4.0	-0.21615825716438572	--
Fragaria spp	Fruit	0.7	8.0	0.6405083179917069	--
Frangula purshiana	Bark		0.0	-1.033653783963848	--
Fucus vesiculosus	Plant		0.0	-0.7952397992931032	--
Garcinia mangostana	Fruit	0.2	1.3	-0.7944081953947483	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Genipa americana	Fruit	0.4	1.2	-0.8158248597736506	--
Gentiana lutea	Root	0.5	2.1	-0.4321138905848174	--
Ginkgo biloba	Seed	1.0	3.0	-0.20090831129253928	--
Ginkgo biloba	Leaf	0.3	1.2	-0.17223654048552425	--
Gliricidia sepium	Leaf	0.8	5.0	-0.15442409514013444	--
Gliricidia sepium	Flower	0.8	6.0	-0.049148858721834034	--
Glycine max	Sprout Seedling	1.5	15.0	0.21733051397161018	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Glycine max	Seed	1.7	13.0	3.631633595689942	--
Glycine max	Fruit	1.6	5.0	-0.0019916133753625524	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Glycyrrhiza glabra	Root	0.3	1.6	-0.5415349954750799	--
Gossypium sp	Seed		2.3	-0.4691862447813127	--
Gymnema sylvestre	Leaf				--
Harpagophytum procumbens	Root				--
Helianthus annuus	Seed	2.0	3.0	-0.20090831129253928	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
Helianthus tuberosus	Tuber	0.5	3.0	-0.4172054143150914	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Hibiscus sabdariffa	Leaf	1.0	31.0	-0.0325494690927309	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Hibiscus sabdariffa	Flower	0.1	0.5	-1.3399966931295562	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Hibiscus rosa-sinensis	Flower	0.4	4.7	-0.3542583468545685	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Hordeum vulgare	Stem	27.0	28.0	1.3933794062595939	--
Hordeum vulgare	Seed	1.0	9.0	2.0986168328969494	Jim Duke's personal files.*
Humulus lupulus	Fruit		10.0	1.0688416055697534	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Humulus lupulus	Flower	2.0	10.1	0.9131195269275587	--
Hydrangea arborescens	Root				--
Hydrastis canadensis	Root	0.6	2.0	-0.45399811156287	--
Hylocereus undatus	Fruit	0.4	2.6	-0.5159915584690182	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Hylocereus guatemalensis	Fruit	0.4	2.5	-0.5374082228479204	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Ilex paraguariensis	Leaf				--
Inga edulis	Seed	1.3	3.5	-0.009281215943415229	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Inga feuillei	Aril	0.7	4.4	-0.8890008890013339	J Cell Biochem VOL. 22=1995
Inula helenium	Root	0.7	3.2	-0.19138745982624014	--
Ipomoea batatas	Leaf	2.6	19.0	-0.08879929649922484	--
Ipomoea aquatica	Leaf	1.0	16.0	-0.10286175335084834	--
Ipomoea batatas	Root	0.3	7.0	0.6402129373397545	--
Juglans nigra	Fruit		1.0	-0.8586581885314553	--
Juglans nigra	Pericarp	0.1	1.0		--
Juglans regia	Seed	1.0	5.0	0.565600070103957	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Juglans nigra	Seed		1.0	-0.9674166926890354	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Juniperus communis	Fruit	0.2	0.6	-0.9443248460470646	--
Justicia pectoralis	Leaf		2013.0	9.258047024213187	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Plant	Part	Low PPM	High PPM	StdDev	Reference
Lablab purpureus	Seed	0.92	7.58	1.554395882105437	--
Lagenaria siceraria	Fruit	0.2	4.9	-0.023408277754264795	--
Larrea tridentata	Plant	0.6	1.7	-0.6767736642437697	--
Lens culinaris	Sprout Seedling	1.0	5.0	-0.9767931891691071	USDA's Ag Handbook 8 and sequelae)
Lens culinaris	Seed	2.0	3.0	-0.20090831129253928	--
Lepidium meyenii	Root	3.5	4.0	-0.0163136920018201	--
Lepidium sativum	Leaf	1.7	25.0	-0.060674382795977866	--
Licania platypus	Fruit	0.13	0.76	-0.9100581830408209	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Limonia acidissima	Fruit	1.7	5.6	0.12650837289805128	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Linum usitatissimum	Seed		1.7	-0.6991387592002618	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Lobelia inflata	Leaf				--
Luffa aegyptiaca	Fruit	0.6	12.0	1.4971748931477993	--
Luffa aegyptiaca	Leaf	0.6	6.0	-0.1497366095229266	--
Lupinus mutabilis	Fruit	1.5	5.2	0.04084171538244231	--
Lupinus albus	Seed	2.0	3.0	-0.20090831129253928	--
Lupinus mutabilis	Seed	4.4	4.9	0.5272746510341323	--
Lycium chinense	Leaf	3.1	30.0	-0.03723695470993872	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Lycium chinense	Fruit		1.4	-0.7729915310158458	Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.
Lycopersicon esculentum	Fruit	1.0	8.0	0.6405083179917069	--
Macadamia spp	Seed		1.0	-0.9674166926890354	USDA's Ag Handbook 8 and sequelae)

Plant	Part	Low PPM	High PPM	StdDev	Reference
Malpighia glabra	Fruit	0.6	7.0	0.42634167420268376	--
Malus domestica	Fruit		1.3	-0.7944081953947483	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Malva sylvestris	Leaf	2.0	35.0	-0.013799526623899577	--
Malva parviflora	Plant		2.0	-0.6558678757056521	--
Mammea americana	Fruit	0.2	3.8	-0.25899158592219057	--
Mangifera indica	Leaf	0.6	2.7	-0.1652053120597125	--
Mangifera indica	Fruit	0.5	3.3	-0.366074907816702	--
Manihot esculenta	Leaf	3.0	15.0	-0.10754923896805615	--
Manihot esculenta	Root	0.2	3.2	-0.19138745982624014	--
Manilkara zapota	Fruit	0.0	0.4	-0.987158174804869	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Maranta arundinacea	Root	0.2	0.7	-0.7384929842775523	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Medicago sativa	Plant	2.7	14.2	0.19430085817779952	--
Melicoccus bijugatas	Fruit	0.1	6.4	0.29784168792926996	--
Mentha spicata	Plant	1.0	12.0	0.04099174223160336	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Mentha x piperita	Leaf	6.0	38.9	0.004481667283210983	--
Mimosa pudica	Leaf	0.5	7.0	-0.14504912390571878	--
Mimulus glabratus	Shoot	2.0	20.0	0.15136582370935983	--
Momordica charantia	Leaf	4.6	31.0	-0.0325494690927309	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Momordica charantia	Fruit	0.4	9.0	0.8546749617807301	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Morinda citrifolia	Leaf	0.9	4.0	-0.15911158075734227	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Moringa oleifera	Shoot	6.0	30.0	1.1234399209254322	USDA's Ag Handbook 8 and sequelae)
Moringa oleifera	Fruit	0.7	6.3	0.27642502355036735	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Moringa oleifera	Leaf	0.6	6.0	-0.1497366095229266	=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
Morus alba	Fruit	1.0	14.0	1.9255081807258456	--
Mucuna pruriens	Seed	1.1	2.7	-0.3158845685020133	--
Muntingia calabura	Fruit	0.4	2.1	-0.6230748803635299	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Murraya koenigii	Leaf	0.0	8.0	-0.14036163828851098	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Murraya sp	Fruit	0.4	1.9	-0.6659082091213343	--
Musa x paradisiaca	Fruit	0.4	6.0	0.21217503041366062	--
Myrciaria dubia	Fruit	0.4	6.7	0.36209168106597706	--
Myrciaria cauliflora	Fruit	0.2	1.3	-0.7944081953947483	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Myrica cerifera	Bark				--
Myristica fragrans	Seed	0.0	1.0	-0.9674166926890354	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Myristica fragrans	Aril	4.0	5.0	1.3970013970020942	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Nasturtium officinale	Herb	1.0	25.0	1.0	--
Nelumbo nucifera	Seed	0.4	2.6	-0.35420998757183836	--
Nelumbo nucifera	Rhizome	0.6	3.7	-0.4247702403386429	--
Nepeta cataria	Plant	0.4	3.6	-0.5443703368356911	--
Ocimum basilicum	Leaf	3.0	4.0	-0.15911158075734227	--
Opuntia ficus-indica	Bud		0.6	-1.0000000000000002	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
Opuntia ficus-indica	Fruit	0.2	2.2	-0.6016582159846274	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Origanum majorana	Plant		3.0	-0.5861819139119265	USDA's Ag Handbook 8 and sequelae)
Oryza sativa	Seed	0.5	0.7	-1.0823929498985099	--
Oxalis tuberosa	Root	0.3	4.3	0.04933897093233713	--
Pachira macrocarpa	Seed		0.6	-1.1207183689683347	--
Pachyrhizus erosus	Tuber	0.3	2.8	-0.48821910185808576	--
Panax quinquefolius	Plant	0.0	1.0	-0.7255538374993776	--
Panax ginseng	Root	0.4	1.8	-0.49776655351897503	--
Papaver somniferum	Seed	1.6	1.93	-0.6109902953396645	--
Parthenium integrifolium	Root	0.3	2.0	-0.45399811156287	--
Passiflora quadrangularis	Seed	1.2	6.0	0.948854260802205	--
Passiflora ligularis	Fruit	0.6	6.2	0.25500835917146547	--
Passiflora incarnata	Flower	0.1	0.5	-1.3399966931295562	--
Passiflora quadrangularis	Fruit	0.3	5.0	-0.0019916133753625524	--
Passiflora edulis	Fruit	1.0	5.0	-0.0019916133753625524	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Passiflora mollissima	Fruit	0.3	3.8	-0.25899158592219057	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Pastinaca sativa	Root	0.5	4.0	-0.0163136920018201	--
Peperomia pereskiaifolia	Leaf	2.5	17.0	-0.0981742677336405	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Peperomia pelucida	Leaf	0.7	9.0	-0.13567415267130314	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Pereskia aculeata	Fruit	0.3	9.4	0.9403416192963394	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Perilla frutescens	Seed	1.0	8.0	1.7153626421987014	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Perilla frutescens	Leaf	3.0	23.0	-0.07004935403039353	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Persea schiedeana</i>	Fruit	0.7	4.0	-0.21615825716438572	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
<i>Persea americana</i>	Fruit	1.0	7.7	0.5762583248550003	--
<i>Petasites japonicus</i>	Pt	0.2	3.6	-1.0780530559396932	USDA's Ag Handbook 8 and sequelae)
<i>Petroselinum crispum</i>	Plant	1.0	13.5	0.14552068492219167	--
<i>Phaseolus lunatus</i>	Sprout Seedling	1.4	3.9	-1.108146796514586	--
<i>Phaseolus coccineus</i>	Fruit	1.4	1.9	-0.6659082091213343	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
<i>Phaseolus vulgaris</i>	Leaf	0.6	4.5	-0.15676783794873836	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Phaseolus lunatus</i>	Seed	0.3	5.1	0.6039254891737816	--
<i>Phaseolus acutifolius</i>	Seed	1.2	1.3	-0.8524404354795608	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Phaseolus vulgaris</i>	Sprout Seedling	2.5	27.0	1.6502789577404713	USDA's Ag Handbook 8 and sequelae)
<i>Phaseolus vulgaris</i>	Fruit	1.0	12.0	1.4971748931477993	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Phaseolus coccineus</i>	Seed	1.1	2.2	-0.5075116638511373	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Phaseolus vulgaris</i>	Seed	1.2	3.0	-0.20090831129253928	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Phoenix dactylifera</i>	Fruit	0.2	1.3	-0.7944081953947483	--
<i>Phyllanthus emblica</i>	Fruit	0.4	2.5	-0.5374082228479204	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Phyllanthus acidus</i>	Fruit	0.1	2.0	-0.6444915447424321	--
<i>Physalis ixocarpa</i>	Fruit	0.2	2.4	-0.5588248872268227	--
<i>Physalis peruviana</i>	Fruit	0.2	1.4	-0.7729915310158458	--
<i>Phytolacca americana</i>	Shoot	3.0	39.0	1.9983066084198973	--
<i>Pimenta dioica</i>	Leaf	2.3	3.5	-0.1614553235659462	--
<i>Pimenta dioica</i>	Fruit		0.7	-0.9229081816681621	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Pinus cembroides</i>	Seed	2.0	2.5	-0.39253540664166336	USDA's Ag Handbook 8 and sequelae)
<i>Pinus edulis</i>	Seed	2.0	3.0	-0.20090831129253928	USDA's Ag Handbook 8 and sequelae)
<i>Pinus pinea</i>	Seed	2.0	3.0	-0.20090831129253928	USDA's Ag Handbook 8 and sequelae)
<i>Piper nigrum</i>	Fruit	0.4	2.8	-0.4731582297112136	--
<i>Piper betel</i>	Leaf	0.2	2.0	-0.16848655199175794	--
<i>Piper auritum</i>	Leaf	2.4	13.5	-0.1145804673938679	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Pisum sativum</i>	Fruit	0.8	8.0	0.6405083179917069	--
<i>Pisum sativum</i>	Seed	1.2	6.7	1.2171321942909792	--
<i>Plantago major</i>	Seed				--
<i>Plantago psyllium</i>	Seed		0.0	-1.3506708833872836	--
<i>Platonia insignis</i>	Fruit	0.4	1.4	-0.7729915310158458	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
<i>Platycodon grandiflorum</i>	Root	3.9	4.7	0.13687585484454715	--
<i>Plectranthus amboinicus</i>	Leaf	0.7	12.5	-0.11926795301107573	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Polygonum multiflorum</i>	Root		0.9	-0.6947245423214473	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Polymnia edulis</i>	Root	0.2	1.1	-0.6509561003653422	--
<i>Portulaca oleracea</i>	Herb	1.0	23.0	-1.0	--
<i>Pourouma cecropiaefolia</i>	Fruit	2.2	12.0	1.4971748931477993	J Cell Biochem VOL. 22=1995
<i>Pouteria caimito</i>	Fruit	0.2	7.7	0.5762583248550003	--
<i>Pouteria viridis</i>	Fruit	0.3	0.9	-0.8800748529103575	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Pouteria campechiana</i>	Fruit	0.0	0.9	-0.8800748529103575	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Prunus salicifolia</i>	Fruit	0.2	1.2	-0.8158248597736506	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
Prunus dulcis	Seed	1.6	9.7	2.3668947663857227	USDA's Ag Handbook 8 and sequelae)
Prunus armeniaca	Seed		5.3	0.6805763273134317	--
Prunus domestica	Fruit	0.9	6.5	0.3192583523081722	USDA's Ag Handbook 8 and sequelae)
Prunus armeniaca	Fruit	0.4	4.4	-0.13049159964877638	USDA's Ag Handbook 8 and sequelae)
Prunus persica	Fruit	1.0	4.0	-0.21615825716438572	--
Prunus cerasus	Fruit	0.0	5.0	-0.0019916133753625524	--
Psidium guajava	Fruit	0.4	4.0	-0.21615825716438572	--
Psidium cattleianum	Fruit	0.2	1.9	-0.6659082091213343	--
Psophocarpus tetragonolobus	Seed	1.0	7.7	1.6003863849892273	--
Pueraria montana	Shoot		8.0	-1.015123092949927	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Punica granatum	Fruit	0.0	4.0	-0.21615825716438572	--
Pyrus communis	Fruit	0.4	2.4	-0.5588248872268227	--
Quararibea cordata	Fruit	0.2	4.5	-0.10907493526987413	--
Quercus alba	Bark		0.0	-1.033653783963848	--
Raphanus sativus	Leaf	2.6	24.0	-0.0653618684131857	--
Raphanus sativus	Fruit	0.3	5.3	0.06225837976134417	--
Raphanus sativus	Root	0.3	9.3	1.1435500198349617	--
Rheum rhabarbarum	Pt	0.3	14.0	-0.25365954257404544	--
Rheum rhabarbarum	Leaf	0.2	3.0	-0.1637990663745501	--
Rhizophora mangle	Leaf				--
Rhodymenia palmata	Plant		1.1	-0.7185852413200051	--
Ribes rubrum	Fruit	1.0	3.0	-0.4303249009534089	--
Ribes nigrum	Fruit	1.0	3.0	-0.4303249009534089	USDA's Ag Handbook 8 and sequelae)
Ribes uva-crispa	Fruit	0.0	2.0	-0.6444915447424321	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Ricinus communis	Seed		1.0	-0.9674166926890354	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Rollinia mucosa	Fruit	0.4	1.8	-0.6873248735002367	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Rosa canina	Fruit	1.4	7.2	0.46917500296048864	--
Rosa spp	Fruit				--
Rosmarinus officinalis	Plant	1.5	5.0	-0.44680999032447544	USDA's Ag Handbook 8 and sequelae)
Rubus idaeus	Leaf				--
Rubus idaeus	Fruit	0.9	6.7	0.36209168106597706	Revised USDA data received 1993.
Rumex crispus	Leaf	0.8	10.8	-0.127236678560329	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Rumex acetosa	Leaf	2.2	22.0	-0.07473683964760136	--
Rumex crispus	Root	3.0	10.8	1.4718133345057491	--
Ruscus aculeatus	Root	0.4	1.4	-0.5853034374311851	--
Salix alba	Bark	0.3	1.7	-0.4728416245792071	--
Salvia officinalis	Leaf	0.6	3.6	-0.16098657500422545	--
Sambucus canadensis	Fruit	1.0	3.0	-0.4303249009534089	USDA's Ag Handbook 8 and sequelae)
Sambucus nigra	Plant	0.6	0.7	-0.7464596260374953	--
Schisandra chinensis	Fruit	0.1	0.5	-0.9657415104259668	--
Sclerocarya caffra	Fruit	0.5	6.0	0.21217503041366062	--
Sclerocarya caffra	Seed		1.2	-0.8907658545493858	--
Scutellaria lateriflora	Plant	0.3	2.2	-0.641930683346907	--
Secale cereale	Seed	1.0	2.0	-0.5841625019907875	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Sechium edule	Fruit	0.4	5.7	0.14792503727695389	--
Sechium edule	Shoot	0.8	11.0	-0.7235008637851053	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Senna alexandrina</i>	Leaf	7.0	35.0	-0.013799526623899577	--
<i>Serenoa repens</i>	Fruit	1.0	7.3	0.4905916673393905	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Sesamum indicum</i>	Seed	0.6	3.0	-0.20090831129253928	--
<i>Sesamum indicum</i>	Leaf		21.0	-0.07942432526480918	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Sicana odorifera</i>	Fruit	0.4	3.2	-0.3874915721956042	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Sida rhombifolia</i>	Leaf	4.7	24.0	-0.0653618684131857	--
<i>Silybum marianum</i>	Leaf	0.4	2.0	-0.16848655199175794	--
<i>Sinapis alba</i>	Seed		4.0	0.18234587940570884	--
<i>Smilax spp</i>	Root				--
<i>Smilax officinalis</i>	Root				--
<i>Solanum quitoensis</i>	Fruit	0.3	5.0	-0.0019916133753625524	--
<i>Solanum nigrum</i>	Plant	1.0	23.0	0.8075373219625845	--
<i>Solanum melongena</i>	Fruit	0.2	8.8	0.8118416330229257	--
<i>Solanum tuberosum</i>	Tuber	0.4	1.9	-0.8077806958015599	--
<i>Solanum torvum</i>	Fruit	0.9	6.0	0.21217503041366062	--
<i>Sonchus oleraceus</i>	Leaf	1.0	16.0	-0.10286175335084834	--
<i>Spinacia oleracea</i>	Plant	1.8	23.4	0.8354117066800743	USDA's Ag Handbook 8 and sequelae)
<i>Spirulina pratensis</i>	Plant		46.0	2.410314443218272	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Spirulina spp.</i>	Plant		46.0	2.410314443218272	--
<i>Spondias pinnata</i>	Fruit	0.2	2.1	-0.6230748803635299	--
<i>Spondias mombin</i>	Fruit	0.3	3.5	-0.32324157905889733	--
<i>Spondias purpurea</i>	Fruit	0.3	2.1	-0.6230748803635299	--
<i>Spondias dulcis</i>	Fruit	0.2	1.5	-0.7515748666369436	--
<i>Stachys officinalis</i>	Plant				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Stellaria media</i>	Plant	0.1	1.3	-0.7046480489612599	--
<i>Sterculia urens</i>	Gum	17.0	31.0		--
<i>Stevia rebaudiana</i>	Leaf				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Symphytum officinale</i>	Root		7.2	0.6839813792958593	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Symphytum officinale</i>	Leaf	0.8	7.2	-0.1441116267822773	--
<i>Syzygium aromaticum</i>	Flower	1.0	2.0	-0.9879472837456319	--
<i>Syzygium aromaticum</i>	Fruit	1.0	2.0	-0.6444915447424321	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Syzygium jambos</i>	Fruit	0.3	1.7	-0.708741537879139	J Cell Biochem VOL. 22=1995
<i>Syzygium cumini</i>	Fruit	0.1	0.7	-0.9229081816681621	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Syzygium malaccense</i>	Fruit	0.2	3.3	-0.366074907816702	--
<i>Tabebuia heptaphylla</i>	Bark				--
<i>Tamarindus indica</i>	Leaf	1.0	5.0	-0.15442409514013444	--
<i>Tamarindus indica</i>	Fruit	1.0	3.0	-0.4303249009534089	USDA's Ag Handbook 8 and sequelae)
<i>Tamarindus indica</i>	Flower		6.0	-0.049148858721834034	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Tanacetum parthenium</i>	Plant		2.5	-0.6210248948087893	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Taraxacum officinale</i>	Root	0.3	2.1	-0.4321138905848174	--
<i>Taraxacum officinale</i>	Leaf	1.0	18.0	-0.09348678211643267	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Terminalia catappa</i>	Seed	0.8	3.0	-0.20090831129253928	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Tetragonia tetragonioides</i>	Leaf	1.0	20.0	-0.08411181088201701	--
<i>Theobroma bicolor</i>	Seed	3.4	3.5	-0.009281215943415229	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Theobroma cacao</i>	Fruit	1.6	3.8	-0.25899158592219057	J Cell Biochem VOL. 22=1995

Plant	Part	Low PPM	High PPM	StdDev	Reference
Theobroma bicolor	Fruit	1.5	7.2	0.46917500296048864	--
Theobroma speciosum	Fruit	10.0	27.0	4.709674549983148	J Cell Biochem VOL. 22=1995
Theobroma cacao	Seed	1.0	4.0	0.18234587940570884	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Thymus vulgaris	Leaf	0.7	4.3	-0.15770533507217988	--
Thymus vulgaris	Plant	4.0	53.0	2.898116175774351	--
Trachyspermum ammi	Fruit	2.8	3.0	-0.4303249009534089	--
Tragopogon porrifolius	Root	1.0	10.0	1.296739566681329	--
Trichosanthes anguina	Fruit	0.6	11.0	1.2830082493587764	--
Trifolium pratense	Flower	0.6	3.3	-0.6828377956128976	--
Trigonella foenum-graecum	Seed	0.4	3.2	-0.12425747315288925	--
Triticum aestivum	Seed	0.7	8.0	1.7153626421987014	--
Triticum aestivum	Plant	11.0	40.0	1.9921986724559189	--
Tropaeolum tuberosum	Root	0.8	8.5	0.9684762520105418	--
Tropaeolum majus	Shoot	3.5	25.5	0.6860065771781996	--
Turnera diffusa	Leaf				--
Ullucus tuberosus	Root	0.2	2.2	-0.410229669606765	--
Ulmus rubra	Bark	0.7	4.1	0.31889318866969746	--
Urtica dioica	Leaf	0.9	4.3	-0.15770533507217988	--
Vaccinium corymbosum	Fruit	0.5	3.4	-0.34465824343779955	--
Vaccinium myrtillus	Fruit	0.2	2.6	-0.5159915584690182	--
Vaccinium macrocarpon	Fruit	0.2	1.9	-0.6659082091213343	--
Valeriana officinalis	Root	0.1	1.2	-0.6290718793872899	--
Verbascum thapsus	Leaf	0.5	1.1	-0.172705289047245	--
Vicia faba	Seed	1.1	6.0	0.948854260802205	USDA's Ag Handbook 8 and sequelae)
Vigna unguiculata	Seed	1.5	4.5	0.3739729747548329	USDA's Ag Handbook 8 and sequelae)
Vigna subterranea	Seed	1.4	1.6	-0.7374641782700865	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Vigna mungo	Seed	2.0	2.2	-0.5075116638511373	--
Vigna unguiculata	Seed	2.3	2.6	-0.35420998757183836	USDA's Ag Handbook 8 and sequelae)
Vigna radiata	Sprout Seedling	1.0	15.0	0.21733051397161018	USDA's Ag Handbook 8 and sequelae)
Vigna angularis	Seed	1.8	3.0	-0.20090831129253928	--
Vigna unguiculata	Shoot	1.8	17.0	-0.1402564054554619	USDA's Ag Handbook 8 and sequelae)
Vigna unguiculata	Shoot	1.8	17.0	-0.1402564054554619	--
Vigna unguiculata	Fruit	1.1	9.0	0.8546749617807301	USDA's Ag Handbook 8 and sequelae)
Vigna radiata	Seed	2.1	2.8	-0.2775591494321886	USDA's Ag Handbook 8 and sequelae)
Vigna aconitifolia	Seed	0.9	1.0	-0.9674166926890354	--
Vitis vinifera	Stem		6.9	-0.48723714845751276	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Vitis vinifera	Plant	0.5	3.2	-0.5722447215531815	--
Xanthosoma sagittifolium	Root	0.3	0.9	-0.6947245423214473	--
Yucca baccata	Root	1.4	6.7	0.5745602744055969	--
Yucca baccata	Bark		7.0	1.2755727546787912	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Zea mays	Cob	1.0	3.0		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Zea mays	Silk Stigma Style		1.5	-1.0	--
Zea mays	Fruit	1.0	4.0	-0.21615825716438572	--
Zingiber officinale	Root	0.2	3.1	-0.21327168080429257	--
Zingiber officinale	Rhizome	0.0	5.0	-0.10465353747473792	--
Zizyphus spina-christi	Fruit		1.4	-0.7729915310158458	--
Zizyphus jujuba	Fruit	0.3	2.4	-0.5588248872268227	--