

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

**List of Plants for RIBOFLAVIN**

<b>Plant</b>	<b>Part</b>	<b>Low PPM</b>	<b>High PPM</b>	<b>StdDev</b>	<b>Reference</b>
Abelmoschus esculentus	Fruit	0.6	7	0.42634167420268376	--
Abelmoschus esculentus	Seed	--	1.4	-0.8141150164097362	Wealth of India.
Acacia farnesiana	Leaf	2	9	-0.13567415267130314	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Acacia nilotica	Plant	--	--		--
Achillea millefolium	Plant	1	5.6	-0.40499841324824026	--
Actaea racemosa	Root	--	0.65	-0.7494350947665785	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Actinidia chinensis	Fruit	0.5	3	-0.4303249009534089	--
Aegle marmelos	Fruit	12	31	5.56634112513924	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Agathosma betulina	Leaf	1.1	1.1	-0.172705289047245	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Allium ampeloprasum	Flower	1.9	11.2	1.171289093809103	--
Allium ampeloprasum	Leaf	0.6	9.4	-0.13379915842441997	--
Allium cepa	Bulb	0.4	15	1	--
Allium sativum var. sativum	Bulb	0.5	3	-1	--
Allium sativum var. sativum	Flower	0.6	5.2	-0.23690854372659376	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Plant	Part	Low PPM	High PPM	StdDev	Reference
Allium sativum var. sativum	Leaf	1.4	10.3	-0.1295804213689329	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Allium sativum var. sativum	Shoot	0.6	2.7	-1.5303223644744455	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Allium sativum var. sativum	Root	0.6	1.6	-0.5415349954750799	--
Allium schoenoprasum	Leaf	1	22	-0.07473683964760136	--
Alocasia macrorrhiza	Leaf	0.1	3.4	-0.16192407212766696	--
Alocasia macrorrhiza	Root	0.2	0.6	-0.7603772052556049	--
Aloe spp.	Leaf	--	--		--
Aloe vera	Leaf	--	--		Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Alpinia galanga	Rhizome	0	1	-1.089628007825215	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Althaea officinalis	Root	0.1	0.5	-0.7822614262336574	--
Amaranthus sp.	Leaf	1	26	-0.05598689717877004	--
Amaranthus spinosus	Leaf	1.6	20	-0.08411181088201701	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Amorphophallus campanulatus	Root	0.2	3.2	-0.19138745982624014	--
Amorphophallus konjac	Bark	--	--		--
Anacardium occidentale	Fruit	2.4	16.7	2.503758118956209	--
Anacardium occidentale	Leaf	0.1	0.3	-0.1764552775410112	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Anacardium occidentale	Seed	2	3.3	-0.08593205408306458	--
Ananas comosus	Fruit	0	3	-0.4303249009534089	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Anethum graveolens	Fruit	--	3	-0.4303249009534089	--
Anethum graveolens	Plant	3	3	-0.5861819139119265	USDA's Ag Handbook 8 and sequelae)
Anethum graveolens	Seed	3	3	-0.20090831129253928	USDA's Ag Handbook 8 and sequelae)
Angelica sinensis	Root	0.8	3.4	-0.14761901787013534	--
Annona cherimola	Fruit	1	5.5	0.10509170851914904	--
Annona diversifolia	Fruit	0.3	10	1.0688416055697534	--
Annona glabra	Fruit	0.7	5	-0.0019916133753625524	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Annona muricata	Fruit	0.5	6	0.21217503041366062	--
Annona reticulata	Fruit	0.7	5.5	0.10509170851914904	--
Annona squamosa	Fruit	1	5	-0.0019916133753625524	--
Apium graveolens	Pt	0	34	1.3317125985137388	--
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.
Arachis hypogaea	Leaf	5.8	27	-0.05129941156156221	--
Arachis hypogaea	Seed	1.3	3.1	-0.16258289222271427	--
Aralia cordata	Leaf	0.2	4	-0.15911158075734227	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Arctium lappa	Root	0.8	3.4	-0.14761901787013534	--
Arctostaphylos uva-ursi	Leaf	--	0	-0.1778615232261736	--
Areca catechu	Seed	6.9	7.9	1.6770372231288766	--
Armoracia rusticana	Root	4	20	3.485161664486578	--
Arracacia xanthorrhiza	Root	0.2	0.7	-0.7384929842775523	--
Artemisia dracuncululus	Plant	13	14	0.18036366581905444	USDA's Ag Handbook 8 and sequelae)
Artemisia vulgaris	Leaf	1.6	13	-0.11692421020247182	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Artocarpus altilis	Fruit	0.3	1	-0.8586581885314553	--
Artocarpus altilis	Seed	1	7	1.332108451500453	--
Artocarpus heterophyllus	Fruit	1	4	-0.21615825716438572	--
Asparagus officinalis	Shoot	1	36	1.7066843792550757	--
Asparagus officinalis	Root	2.4	24	4.360530503608677	--
Astragalus membranaceus	Root	0.4	2.5	-0.3445770066726076	--
Avena sativa	Plant	0.4	2	-0.6558678757056521	--
Avena sativa	Seed	0.66	11.66	3.1334031477822193	Jim Duke's personal files.*
Averrhoa bilimbi	Fruit	0.25	5.2	0.04084171538244231	--
Averrhoa carambola	Fruit	0.2	5.2	0.04084171538244231	--
Bactris gasipaes	Fruit	1	6	0.21217503041366062	--
Barosma betulina	Leaf	1.1	1.1	-0.172705289047245	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Benincasa hispida	Fruit	0.1	28	4.92384119377217	--
Berberis vulgaris	Root	9.4	9.4	1.1654342408130138	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Berberis vulgaris	Bark	--	9.4	2.0673075679276955	--
Bertholletia excelsa	Seed	0.35	1	-0.9674166926890354	USDA's Ag Handbook 8 and sequelae)
Beta vulgaris	Leaf	1.7	26	-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	Fruit	0.5	3	-0.4303249009534089	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Bixa orellana	Seed	--	5	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.
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	0.948854260802205	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Boehmeria nivea	Leaf	2.8	22	-0.07473683964760136	--
Boehmeria nivea	Shoot	16	16	-0.23746381517706913	--
Borago officinalis	Leaf	1	21	-0.07942432526480918	USDA's Ag Handbook 8 and sequelae)
Brassica chinensis	Leaf	0.7	15	-0.10754923896805615	--
Brassica napus var. napobrassica	Root	0.4	4	-0.0163136920018201	USDA's Ag Handbook 8 and sequelae)

Plant	Part	Low PPM	High PPM	StdDev	Reference
Brassica nigra	Leaf	0.56	9.72	-0.1322991630269135	USDA's Ag Handbook 8 and sequelae)
Brassica oleracea	Stem	0.2	2.2	-0.9061422578020815	--
Brassica oleracea var. botrytis l.	Leaf	1.1	21	-0.07942432526480918	--
Brassica oleracea var. botrytis l.	Flower	0.3	11	1.1243491725579133	--
Brassica oleracea var. capitata l.	Leaf	0	4	-0.15911158075734227	--
Brassica oleracea var. gemmifera	Leaf	0.4	10	-0.1309866670540953	USDA's Ag Handbook 8 and sequelae)
Brassica oleracea var. italica	Leaf	1.1	21	-0.07942432526480918	--
Brassica oleracea var. sabellica l.	Leaf	1	8	-0.14036163828851098	--
Brassica oleracea var. viridis l.	Leaf	0.6	10.5	-0.1286429242454914	--
Brassica rapa	Root	0.3	4	-0.0163136920018201	--
Brassica rapa	Leaf	0.7	15	-0.10754923896805615	USDA's Ag Handbook 8 and sequelae)
Bromelia pinguin	Shoot	0.4	9	-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	Fruit	1.6	6.9	0.40492500982378155	--
Cajanus cajan	Seed	1.7	8	1.7153626421987014	--
Calathea macrosepala	Flower	1	13	1.5937483850698122	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Plant	Part	Low PPM	High PPM	StdDev	Reference
Camellia sinensis	Leaf	8	12	-0.12161169581967965	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Canavalia ensiformis	Fruit	1	4.7	-0.06624160651206927	--
Canavalia ensiformis	Seed	1.3	1.7	-0.6991387592002618	--
Canna indica	Root	0.1	0.3	-0.8260298681897623	--
Cannabis sativa	Seed	1.7	2	-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 annuum	Fruit	0	19	2.9963413996709614	--
Capsicum frutescens	Fruit	1	8	0.6405083179917069	--
Carica papaya	Fruit	0.4	3	-0.4303249009534089	--
Carica papaya	Leaf	5	21	-0.07942432526480918	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Carthamus tinctorius	Seed	1	2	-0.5841625019907875	--
Carthamus tinctorius	Flower	0.5	3.6	-0.6124279137361128	--
Carum carvi	Fruit	3	4	-0.21615825716438572	--
Carum carvi	Seed	3	4	0.18234587940570884	USDA's Ag Handbook 8 and sequelae)
Carya illinoensis	Seed	1.1	1.3	-0.8524404354795608	--
Casimiroa edulis	Fruit	0.4	3.9	-0.23757492154328796	--
Catha edulis	Leaf	0.5	0.5	-0.17551778041756969	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Caulophyllum thalictroides	Root	1	7.9	0.8371709261422265	--
Centella asiatica	Leaf	1.4	13	-0.11692421020247182	--
Chamaemelum nobile	Flower	4.3	4.3	-0.44813818935694794	--
Chenopodium album	Leaf	12	76	0.17838738368162155	--
Chenopodium album	Seed	1	2	-0.5841625019907875	--
Chenopodium ambrosioides	Leaf	3	19	-0.08879929649922484	--
Chondrus crispus	Plant	1.1	1.1	-0.7185852413200051	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Chrysanthemum coronarium	Bud	2.2	30	1.0000000000000002	--
Chrysanthemum coronarium	Leaf	1.9	29	-0.04192444032714655	--
Chrysanthemum parthenium	Plant	--	2.5	-0.6210248948087893	--
Chrysanthemum parthenium	Leaf	0.5	2.5	-0.16614280918315402	--
Chrysophyllum cainito	Fruit	0.2	1.7	-0.708741537879139	--
Cicer arietinum	Seed	2	3	-0.20090831129253928	USDA's Ag Handbook 8 and sequelae)
Cichorium endivia	Leaf	0.7	13	-0.11692421020247182	--
Cichorium intybus	Leaf	1	29	-0.04192444032714655	USDA's Ag Handbook 8 and sequelae)
Cichorium intybus	Root	0	2	-0.45399811156287	USDA's Ag Handbook 8 and sequelae)
Cimicifuga racemosa	Root	0.1	0.7	-0.7384929842775523	--
Cinnamomum aromaticum	Bark	1	2	-0.373874772923094	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses



Plant	Part	Low PPM	High PPM	StdDev	Reference
Cinnamomum verum	Bark	1	1	-0.703764278443471	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Citrullus lanatus	Fruit	2	8	0.6405083179917069	--
Citrullus lanatus	Seed	1	1	-0.9674166926890354	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Citrus aurantiifolia	Fruit	0	2	-0.6444915447424321	--
Citrus aurantium	Fruit	1	3	-0.4303249009534089	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Citrus limon	Fruit	2	3	-0.4303249009534089	--
Citrus paradisi	Fruit	0	5	-0.0019916133753625524	--
Citrus reticulata	Fruit	0	4	-0.21615825716438572	--
Citrus sinensis	Fruit	0	3	-0.4303249009534089	--
Cnicus benedictus	Plant	0.3	2.1	-0.6488992795262795	--
Cnidioscolus chayamansa	Leaf	3	25	-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	Leaf	2	2	-0.16848655199175794	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Coffea arabica	Seed	1	1	-0.9674166926890354	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

Plant	Part	Low PPM	High PPM	StdDev	Reference
Cola acuminata	Seed	1	1	-0.9674166926890354	--
Colocasia esculenta	Leaf	3	35	-0.013799526623899577	--
Colocasia esculenta	Root	0.2	1.6	-0.5415349954750799	--
Corchorus olitorius	Leaf	2.6	44	0.02838784393097102	--
Coriandrum sativum	Fruit	3	4	-0.21615825716438572	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Coriandrum sativum	Leaf	1	21	-0.07942432526480918	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Corylus avellana	Seed	0.6	4.4	0.3356475556850082	--
Crataegus laevigata	Fruit	--	--		--
Crataegus rhipidophylla	Fruit	--	--		Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Crescentia alata	Seed	1.2	1.2	-0.8907658545493858	--
Crocus sativus	Silk Stigma Style	56	138	1	--
Cucumis melo	Fruit	0.2	2.4	-0.5588248872268227	USDA's Ag Handbook 8 and sequelae)
Cucumis sativus	Fruit	0.2	5.1	0.019425051003539688	--
Cucurbita pepo	Flower	0.7	15	2.063147597581711	USDA's Ag Handbook 8 and sequelae)
Cucurbita pepo	Fruit	1.1	13.1	1.732758201315725	USDA's Ag Handbook 8 and sequelae)
Cucurbita pepo	Seed	2.7	4.9	0.5272746510341323	--
Cucurbita spp	Fruit	0.4	6	0.21217503041366062	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Cuminum cyminum	Fruit	3	4	-0.21615825716438572	--
Cuminum cyminum	Seed	3	4	0.18234587940570884	--
Curcuma longa	Rhizome	0	12	1.6190517856385973	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Curcuma longa	Plant	--	--		--
Cyclanthera pedata	Fruit	0.3	5	-0.0019916133753625524	--
Cydonia oblonga	Fruit	0.3	1.9	-0.6659082091213343	--
Cynara cardunculus	Flower	0.6	7	0.18555074753411543	--
Cyphomandra betacea	Fruit	0.3	3	-0.4303249009534089	--
Cyrtosperma chamissonis	Root	0.2	1	-0.6728403213433949	--
Daucus carota	Root	0.6	5	0.20252851777870476	--
Dioscorea alata	Root	0.2	1.1	-0.6509561003653422	--
Dioscorea pentaphylla	Root	0.2	1	-0.6728403213433949	--
Dioscorea sp.	Root	0.65	0.65	-0.7494350947665785	--
Dioscorea villosa	Root	0.1	0.6	-0.7603772052556049	--
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	10	1.0688416055697534	J Cell Biochem VOL. 22=1995
Echinacea purpurea	Root	3	12	1.734423986242379	--
Echinacea spp	Bark	12	3	-0.04398526740271707	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.

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	2.3538414683038917	--
<i>Elaeis guineensis</i>	Fruit	1	1.7	-0.708741537879139	--
<i>Eleocharis dulcis</i>	Tuber	0.2	9	1.7132052119747374	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Elettaria cardamomum</i>	Seed	1	2	-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	-0.02869421956212218	--
<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	15	-0.33467122489867634	--
<i>Erythrina berteroana</i>	Shoot	1.9	12	-0.626293454063498	--
<i>Erythrina fusca</i>	Leaf	1.7	5.2	-0.15348659801669293	--
<i>Erythroxylum coca</i>	Leaf	15	20	-0.08411181088201701	--
<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

Plant	Part	Low PPM	High PPM	StdDev	Reference
Eugenia uniflora	Fruit	0.4	4.5	-0.10907493526987413	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Eupatorium perfoliatum	Plant	--	--		--
Euphrasia officinalis	Plant	3	18	0.45910751299395686	--
Fagopyrum esculentum	Seed	1.7	1.8	-0.6608133401304368	--
Ficus carica	Fruit	0	5.7	0.14792503727695389	--
Foeniculum vulgare	Fruit	--	4	-0.21615825716438572	--
Foeniculum vulgare	Plant	1	14	0.18036366581905444	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Foeniculum vulgare	Seed	0.4	3.8	0.10569504126605948	--
Fragaria spp	Fruit	0.7	8	0.6405083179917069	--
Frangula purshiana	Bark	--	0	-1.033653783963848	--
Fucus vesiculosus	Plant	--	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	3	-0.20090831129253928	--
Ginkgo biloba	Leaf	0.3	1.2	-0.17223654048552425	--
Gliricidia sepium	Flower	0.8	6	-0.049148858721834034	--
Gliricidia sepium	Leaf	0.8	5	-0.15442409514013444	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Glycine max	Fruit	1.6	5	-0.0019916133753625524	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Glycine max	Seed	1.7	13	3.631633595689942	--
Glycine max	Sprout Seedling	1.5	15	0.21733051397161018	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	2.3	-0.4691862447813127	--
Gymnema sylvestre	Leaf	--	--		--
Harpagophytum procumbens	Root	--	--		--
Helianthus annuus	Seed	2	3	-0.20090831129253928	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
Helianthus tuberosus	Tuber	0.5	3	-0.4172054143150914	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
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.
Hibiscus sabdariffa	Flower	0.1	0.5	-1.3399966931295562	--
Hibiscus sabdariffa	Leaf	1	31	-0.0325494690927309	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Hordeum vulgare	Seed	1	9	2.0986168328969494	Jim Duke's personal files.*
Hordeum vulgare	Stem	27	28	1.3933794062595939	--
Humulus lupulus	Fruit	10	10	1.0688416055697534	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Humulus lupulus	Flower	2	10.1	0.9131195269275587	--
Hydrangea arborescens	Root	--	--		--
Hydrastis canadensis	Root	0.6	2	-0.45399811156287	--
Hylocereus guatemalensis	Fruit	0.4	2.5	-0.5374082228479204	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Hylocereus undatus	Fruit	0.4	2.6	-0.5159915584690182	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 aquatica	Leaf	1	16	-0.10286175335084834	--
Ipomoea batatas	Leaf	2.6	19	-0.08879929649922484	--
Ipomoea batatas	Root	0.3	7	0.6402129373397545	--
Juglans nigra	Fruit	--	1	-0.8586581885314553	--
Juglans nigra	Seed	1	1	-0.9674166926890354	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Juglans nigra	Pericarp	0.1	1		--
Juglans regia	Seed	1	5	0.565600070103957	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Plant	Part	Low PPM	High PPM	StdDev	Reference
Juniperus communis	Fruit	0.2	0.6	-0.9443248460470646	--
Justicia pectoralis	Leaf	2013	2013	9.258047024213187	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
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	Seed	2	3	-0.20090831129253928	--
Lens culinaris	Sprout Seedling	1	5	-0.9767931891691071	USDA's Ag Handbook 8 and sequelae)
Lepidium meyenii	Root	3.5	4	-0.0163136920018201	--
Lepidium sativum	Leaf	1.7	25	-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	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	1.4971748931477993	--
Luffa aegyptiaca	Leaf	0.6	6	-0.1497366095229266	--
Lupinus albus	Seed	2	3	-0.20090831129253928	--



Plant	Part	Low PPM	High PPM	StdDev	Reference
Lupinus mutabilis	Fruit	1.5	5.2	0.04084171538244231	--
Lupinus mutabilis	Seed	4.4	4.9	0.5272746510341323	--
Lycium chinense	Leaf	3.1	30	-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	8	0.6405083179917069	--
Macadamia spp	Seed	1	1	-0.9674166926890354	USDA's Ag Handbook 8 and sequelae)
Malpighia glabra	Fruit	0.6	7	0.42634167420268376	--
Malus domestica	Fruit	1	1.3	-0.7944081953947483	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Malva parviflora	Plant	2	2	-0.6558678757056521	--
Malva sylvestris	Leaf	2	35	-0.013799526623899577	--
Mammea americana	Fruit	0.2	3.8	-0.25899158592219057	--
Mangifera indica	Fruit	0.5	3.3	-0.366074907816702	--
Mangifera indica	Leaf	0.6	2.7	-0.1652053120597125	--
Manihot esculenta	Leaf	3	15	-0.10754923896805615	--
Manihot esculenta	Root	0.2	3.2	-0.19138745982624014	--
Manilkara zapota	Fruit	0	0.4	-0.987158174804869	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Plant	Part	Low PPM	High PPM	StdDev	Reference
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	5	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	38.9	0.004481667283210983	--
Mimosa pudica	Leaf	0.5	7	-0.14504912390571878	--
Mimulus glabratus	Shoot	2	20	0.15136582370935983	--
Momordica charantia	Fruit	0.4	9	0.8546749617807301	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Momordica charantia	Leaf	4.6	31	-0.0325494690927309	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Morinda citrifolia	Leaf	0.9	4	-0.15911158075734227	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Moringa oleifera	Fruit	0.7	6.3	0.27642502355036735	--
Moringa oleifera	Shoot	6	30	1.1234399209254322	USDA's Ag Handbook 8 and sequelae)
Moringa oleifera	Leaf	0.6	6	-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	14	1.9255081807258456	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
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	8	-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	0.21217503041366062	--
Myrciaria cauliflora	Fruit	0.2	1.3	-0.7944081953947483	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Myrciaria dubia	Fruit	0.4	6.7	0.36209168106597706	--
Myrica cerifera	Bark	--	--		--
Myristica fragrans	Aril	4	5	1.3970013970020942	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Myristica fragrans	Seed	0	1	-0.9674166926890354	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Nasturtium officinale	Herb	1	25	1	--
Nelumbo nucifera	Rhizome	0.6	3.7	-0.4247702403386429	--
Nelumbo nucifera	Seed	0.4	2.6	-0.35420998757183836	--
Nepeta cataria	Plant	0.4	3.6	-0.5443703368356911	--
Ocimum basilicum	Leaf	3	4	-0.15911158075734227	--
Opuntia ficus-indica	Bud	0.6	0.6	-1.0000000000000002	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Opuntia ficus-indica	Fruit	0.2	2.2	-0.6016582159846274	--
Origanum majorana	Plant	3	3	-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	0.6	-1.1207183689683347	--
Pachyrhizus erosus	Tuber	0.3	2.8	-0.48821910185808576	--
Panax ginseng	Root	0.4	1.8	-0.49776655351897503	--
Panax quinquefolius	Plant	0	1	-0.7255538374993776	--
Papaver somniferum	Seed	1.6	1.93	-0.6109902953396645	--
Parthenium integrifolium	Root	0.3	2	-0.45399811156287	--
Passiflora edulis	Fruit	1	5	-0.0019916133753625524	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Passiflora incarnata	Flower	0.1	0.5	-1.3399966931295562	--
Passiflora ligularis	Fruit	0.6	6.2	0.25500835917146547	--
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.
Passiflora quadrangularis	Fruit	0.3	5	-0.0019916133753625524	--
Passiflora quadrangularis	Seed	1.2	6	0.948854260802205	--
Pastinaca sativa	Root	0.5	4	-0.0163136920018201	--
Peperomia pelucida	Leaf	0.7	9	-0.13567415267130314	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Plant	Part	Low PPM	High PPM	StdDev	Reference
Peperomia pereskiifolia	Leaf	2.5	17	-0.0981742677336405	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	Leaf	3	23	-0.07004935403039353	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Perilla frutescens	Seed	1	8	1.7153626421987014	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Persea americana	Fruit	1	7.7	0.5762583248550003	--
Persea schiedeana	Fruit	0.7	4	-0.21615825716438572	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Petasites japonicus	Pt	0.2	3.6	-1.0780530559396932	USDA's Ag Handbook 8 and sequelae)
Petroselinum crispum	Plant	1	13.5	0.14552068492219167	--
Phaseolus acutifolius	Seed	1.2	1.3	-0.8524404354795608	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Phaseolus coccineus	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.
Phaseolus coccineus	Seed	1.1	2.2	-0.5075116638511373	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Phaseolus lunatus	Seed	0.3	5.1	0.6039254891737816	--
Phaseolus lunatus	Sprout Seedling	1.4	3.9	-1.108146796514586	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Phaseolus vulgaris	Fruit	1	12	1.4971748931477993	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Phaseolus vulgaris	Leaf	0.6	4.5	-0.15676783794873836	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Phaseolus vulgaris	Seed	1.2	3	-0.20090831129253928	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Phaseolus vulgaris	Sprout Seedling	2.5	27	1.6502789577404713	USDA's Ag Handbook 8 and sequelae)
Phoenix dactylifera	Fruit	0.2	1.3	-0.7944081953947483	--
Phyllanthus acidus	Fruit	0.1	2	-0.6444915447424321	--
Phyllanthus emblica	Fruit	0.4	2.5	-0.5374082228479204	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Physalis ixocarpa	Fruit	0.2	2.4	-0.5588248872268227	--
Physalis peruviana	Fruit	0.2	1.4	-0.7729915310158458	--
Phytolacca americana	Shoot	3	39	1.9983066084198973	--
Pimenta dioica	Fruit	0.7	0.7	-0.9229081816681621	--
Pimenta dioica	Leaf	2.3	3.5	-0.1614553235659462	--
Pinus cembroides	Seed	2	2.5	-0.39253540664166336	USDA's Ag Handbook 8 and sequelae)
Pinus edulis	Seed	2	3	-0.20090831129253928	USDA's Ag Handbook 8 and sequelae)
Pinus pinea	Seed	2	3	-0.20090831129253928	USDA's Ag Handbook 8 and sequelae)
Piper auritum	Leaf	2.4	13.5	-0.1145804673938679	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Plant	Part	Low PPM	High PPM	StdDev	Reference
Piper betel	Leaf	0.2	2	-0.16848655199175794	--
Piper nigrum	Fruit	0.4	2.827	-0.4731582297112136	--
Pisum sativum	Fruit	0.8	8	0.6405083179917069	--
Pisum sativum	Seed	1.2	6.7	1.2171321942909792	--
Plantago major	Seed	--	--		--
Plantago psyllium	Seed	--	0	-1.3506708833872836	--
Platonia insignis	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.
Platycodon grandiflorum	Root	3.9	4.7	0.13687585484454715	--
Plectranthus amboinicus	Leaf	0.7	12.5	-0.11926795301107573	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Polygonum multiflorum	Root	0.9	0.9	-0.6947245423214473	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Polymnia edulis	Root	0.2	1.1	-0.6509561003653422	--
Portulaca oleracea	Herb	1	23	-1	--
Pourouma cecropiaefolia	Fruit	2.2	12	1.4971748931477993	J Cell Biochem VOL. 22=1995
Pouteria caimito	Fruit	0.2	7.7	0.5762583248550003	--
Pouteria campechiana	Fruit	0	0.9	-0.8800748529103575	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Pouteria viridis	Fruit	0.3	0.9	-0.8800748529103575	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Plant	Part	Low PPM	High PPM	StdDev	Reference
Prunus armeniaca	Fruit	0.4	4.4	-0.13049159964877638	USDA's Ag Handbook 8 and sequelae)
Prunus armeniaca	Seed	5.3	5.3	0.6805763273134317	--
Prunus cerasus	Fruit	0	5	-0.0019916133753625524	--
Prunus domestica	Fruit	0.9	6.5	0.3192583523081722	USDA's Ag Handbook 8 and sequelae)
Prunus dulcis	Seed	1.6	9.7	2.3668947663857227	USDA's Ag Handbook 8 and sequelae)
Prunus persica	Fruit	1	4	-0.21615825716438572	--
Prunus salicifolia	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.
Psidium cattleianum	Fruit	0.2	1.9	-0.6659082091213343	--
Psidium guajava	Fruit	0.4	4	-0.21615825716438572	--
Psophocarpus tetragonolobus	Seed	1	7.7	1.6003863849892273	--
Pueraria montana	Shoot	8	8	-1.015123092949927	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Punica granatum	Fruit	0	4	-0.21615825716438572	--
Pyrus communis	Fruit	0.4	2.4	-0.5588248872268227	--
Quararibea cordata	Fruit	0.2	4.5	-0.10907493526987413	--
Quercus alba	Bark	--	0	-1.033653783963848	--
Raphanus sativus	Fruit	0.3	5.3	0.06225837976134417	--
Raphanus sativus	Leaf	2.6	24	-0.0653618684131857	--
Raphanus sativus	Root	0.3	9.3	1.1435500198349617	--



Plant	Part	Low PPM	High PPM	StdDev	Reference
Rheum rhabarbarum	Leaf	0.2	3	-0.1637990663745501	--
Rheum rhabarbarum	Pt	0.3	14	-0.25365954257404544	--
Rhizophora mangle	Leaf	--	--		--
Rhodymenia palmata	Plant	1.1	1.1	-0.7185852413200051	--
Ribes nigrum	Fruit	1	3	-0.4303249009534089	USDA's Ag Handbook 8 and sequelae)
Ribes rubrum	Fruit	1	3	-0.4303249009534089	--
Ribes uva-crispa	Fruit	0	2	-0.6444915447424321	--
Ricinus communis	Seed	1	1	-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	-0.44680999032447544	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 acetosa	Leaf	2.2	22	-0.07473683964760136	--
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.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Rumex crispus	Root	3	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	3	-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	0.21217503041366062	--
Sclerocarya caffra	Seed	1.2	1.2	-0.8907658545493858	--
Scutellaria lateriflora	Plant	0.3	2.2	-0.641930683346907	--
Secale cereale	Seed	1	2	-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	-0.7235008637851053	--
Senna alexandrina	Leaf	7	35	-0.013799526623899577	--
Serenoa repens	Fruit	1	7.3	0.4905916673393905	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Sesamum indicum	Leaf	21	21	-0.07942432526480918	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Sesamum indicum	Seed	0.6	3	-0.20090831129253928	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Sicana odorifera	Fruit	0.4	3.2	-0.3874915721956042	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Sida rhombifolia	Leaf	4.7	24	-0.0653618684131857	--
Silybum marianum	Leaf	0.4	2	-0.16848655199175794	--
Sinapis alba	Seed	4	4	0.18234587940570884	--
Smilax officinalis	Root	--	--		--
Smilax spp	Root	--	--		--
Solanum melongena	Fruit	0.2	8.8	0.8118416330229257	--
Solanum nigrum	Plant	1	23	0.8075373219625845	--
Solanum quitoensis	Fruit	0.3	5	-0.0019916133753625524	--
Solanum torvum	Fruit	0.9	6	0.21217503041366062	--
Solanum tuberosum	Tuber	0.4	1.9	-0.8077806958015599	--
Sonchus oleraceus	Leaf	1	16	-0.10286175335084834	--
Spinacia oleracea	Plant	1.8	23.4	0.8354117066800743	USDA's Ag Handbook 8 and sequelae)
Spirulina pratensis	Plant	46	46	2.410314443218272	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Spirulina spp.	Plant	--	46	2.410314443218272	--
Spondias dulcis	Fruit	0.2	1.5	-0.7515748666369436	--
Spondias mombin	Fruit	0.3	3.5	-0.32324157905889733	--
Spondias pinnata	Fruit	0.2	2.1	-0.6230748803635299	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Spondias purpurea	Fruit	0.3	2.1	-0.6230748803635299	--
Stachys officinalis	Plant	--	--		--
Stellaria media	Plant	0.1	1.3	-0.7046480489612599	--
Sterculia urens	Gum	17	31		--
Stevia rebaudiana	Leaf	--	--		Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Symphytum officinale	Root	7.2	7.2	0.6839813792958593	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Symphytum officinale	Leaf	0.8	7.2	-0.1441116267822773	--
Syzygium aromaticum	Flower	1	2	-0.9879472837456319	--
Syzygium aromaticum	Fruit	1	2	-0.6444915447424321	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Syzygium cumini	Fruit	0.1	0.7	-0.9229081816681621	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Syzygium jambos	Fruit	0.3	1.7	-0.708741537879139	J Cell Biochem VOL. 22=1995
Syzygium malaccense	Fruit	0.2	3.3	-0.366074907816702	--
Tabebuia heptaphylla	Bark	--	--		--
Tamarindus indica	Flower	6	6	-0.049148858721834034	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Tamarindus indica	Fruit	1	3	-0.4303249009534089	USDA's Ag Handbook 8 and sequelae)
Tamarindus indica	Leaf	1	5	-0.15442409514013444	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Tanacetum parthenium	Plant	--	2.5	-0.6210248948087893	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Taraxacum officinale	Leaf	1	18	-0.09348678211643267	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Taraxacum officinale	Root	0.3	2.1	-0.4321138905848174	--
Terminalia catappa	Seed	0.8	3	-0.20090831129253928	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Tetragonia tetragonioides	Leaf	1	20	-0.08411181088201701	--
Theobroma bicolor	Fruit	1.5	7.2	0.46917500296048864	--
Theobroma bicolor	Seed	3.4	3.5	-0.009281215943415229	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Theobroma cacao	Fruit	1.6	3.8	-0.25899158592219057	J Cell Biochem VOL. 22=1995
Theobroma cacao	Seed	1	4	0.18234587940570884	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Theobroma speciosum	Fruit	10	27	4.709674549983148	J Cell Biochem VOL. 22=1995
Thymus vulgaris	Plant	4	53	2.898116175774351	--
Thymus vulgaris	Leaf	0.7	4.3	-0.15770533507217988	--
Trachyspermum ammi	Fruit	2.8	3	-0.4303249009534089	--
Tragopogon porrifolius	Root	1	10	1.296739566681329	--
Trichosanthes anguina	Fruit	0.6	11	1.2830082493587764	--
Trifolium pratense	Flower	0.6	3.3	-0.6828377956128976	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Trigonella foenum-graecum	Seed	0.4	3.2	-0.12425747315288925	--
Triticum aestivum	Plant	11	40	1.9921986724559189	--
Triticum aestivum	Seed	0.7	8	1.7153626421987014	--
Tropaeolum majus	Shoot	3.5	25.5	0.6860065771781996	--
Tropaeolum tuberosum	Root	0.8	8.5	0.9684762520105418	--
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 macrocarpon	Fruit	0.2	1.9	-0.6659082091213343	--
Vaccinium myrtillus	Fruit	0.2	2.6	-0.5159915584690182	--
Valeriana officinalis	Root	0.1	1.2	-0.6290718793872899	--
Verbascum thapsus	Leaf	0.5	1.1	-0.172705289047245	--
Vicia faba	Seed	1.1	6	0.948854260802205	USDA's Ag Handbook 8 and sequelae)
Vigna aconitifolia	Seed	0.9	1	-0.9674166926890354	--
Vigna angularis	Seed	1.8	3	-0.20090831129253928	--
Vigna mungo	Seed	2	2.2	-0.5075116638511373	--
Vigna radiata	Seed	2.1	2.8	-0.2775591494321886	USDA's Ag Handbook 8 and sequelae)

Plant	Part	Low PPM	High PPM	StdDev	Reference
Vigna radiata	Sprout Seedling	1	15	0.21733051397161018	USDA's Ag Handbook 8 and sequelae)
Vigna subterranea	Seed	1.4	1.6	-0.7374641782700865	--
Vigna unguiculata	Fruit	1.1	9	0.8546749617807301	USDA's Ag Handbook 8 and sequelae)
Vigna unguiculata	Seed	2.3	2.6	-0.35420998757183836	USDA's Ag Handbook 8 and sequelae)
Vigna unguiculata	Shoot	1.8	17	-0.1402564054554619	--
Vigna unguiculata	Seed	1.5	4.5	0.3739729747548329	USDA's Ag Handbook 8 and sequelae)
Vigna unguiculata	Shoot	1.8	17	-0.1402564054554619	USDA's Ag Handbook 8 and sequelae)
Vitis vinifera	Plant	0.5	3.2	-0.5722447215531815	--
Vitis vinifera	Stem	6.9	6.9	-0.48723714845751276	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Xanthosoma sagittifolium	Root	0.3	0.9	-0.6947245423214473	--
Yucca baccata	Bark	7	7	1.2755727546787912	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Yucca baccata	Root	1.4	6.7	0.5745602744055969	--
Zea mays	Cob	1	3		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Zea mays	Fruit	1	4	-0.21615825716438572	--
Zea mays	Silk Stigma Style	1.5	1.5	-1	--
Zingiber officinale	Rhizome	0	5	-0.10465353747473792	--

<b>Plant</b>	<b>Part</b>	<b>Low PPM</b>	<b>High PPM</b>	<b>StdDev</b>	<b>Reference</b>
Zingiber officinale	Root	0.2	3.1	-0.21327168080429257	--
Zizyphus jujuba	Fruit	0.3	2.4	-0.5588248872268227	--
Zizyphus spina-christi	Fruit	1.4	1.4	-0.7729915310158458	--