

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

**List of Plants for THIAMIN**

Plant	Part	Low PPM	High PPM	StdDev	Reference
Theobroma bicolor	Fruit	18.0	85.0	10.197834730637272	J Cell Biochem VOL. 22=1995
Cimicifuga racemosa	Root		58.0	4.565797101129107	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Actaea racemosa	Root		58.0	4.565797101129107	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Helianthus annuus	Seed	22.0	24.0	4.155129863917932	--
Spirulina pratensis	Plant		51.0	3.688915217406202	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Aegle marmelos	Fruit	1.3	33.0	3.541559566188317	--
Ephedra sinica	Plant		47.0	3.3489230314701466	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Theobroma speciosum	Fruit	9.0	25.0	2.51751723319617	J Cell Biochem VOL. 22=1995
Arachis hypogaea	Seed	6.0	17.0	2.485047557434568	--
Malva sylvestris	Leaf	1.0	20.0	2.4373528436116003	--
Sonchus oleraceus	Leaf	0.7	19.0	2.2289490986880964	--
Agathosma betulina	Leaf	7.0	19.0	2.2289490986880964	--
Barosma betulina	Leaf	7.0	19.0	2.2289490986880964	--
Ulmus rubra	Bark		5.0	2.1636579972822734	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Vigna unguiculata	Shoot	3.5	35.0	2.0225641716396563	--
Vigna unguiculata	Shoot	3.5	35.0	2.0225641716396563	USDA's Ag Handbook 8 and sequelae)
Brassica oleracea var. botrytis l.	Flower	0.6	12.0	1.9586178131455851	--
Phaseolus vulgaris	Sprout Seedling	3.7	40.0	1.89596883432045	USDA's Ag Handbook 8 and sequelae)
Abelmoschus esculentus	Fruit	0.8	20.0	1.8774907750760779	--
Taraxacum officinale	Leaf	1.0	17.0	1.8121416088410889	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Colocasia esculenta	Leaf	1.3	17.0	1.8121416088410889	--
Mimosa pudica	Leaf	1.2	17.0	1.8121416088410889	--
Trigonella foenum-graecum	Seed	3.0	14.0	1.769297997513126	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Pisum sativum</i>	Seed	2.4	13.9	1.7454396788490785	--
<i>Helianthus tuberosus</i>	Tuber	2.0	10.0	1.6248118455149858	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Durio zibethinus</i>	Fruit	2.4	18.0	1.621480191828041	--
<i>Coriandrum sativum</i>	Leaf	1.0	16.0	1.6037378639175852	--
<i>Nelumbo nucifera</i>	Rhizome	2.2	14.0	1.5614503163088487	--
<i>Pinus edulis</i>	Seed	12.0	13.0	1.5307148108726454	USDA's Ag Handbook 8 and sequelae)
<i>Cajanus cajan</i>	Seed	4.0	13.0	1.5307148108726454	--
<i>Cnidoscopus chayamansa</i>	Leaf	2.0	15.0	1.3953341189940813	--
<i>Avena sativa</i>	Seed	2.6	12.1	1.3159899428962132	--
<i>Pinus cembroides</i>	Seed	7.0	12.0	1.2921316242321648	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Triticum aestivum</i>	Seed	1.1	12.0	1.2921316242321648	--
<i>Lablab purpureus</i>	Seed	0.77	12.0	1.2921316242321648	--
<i>Apium graveolens</i>	Pt	0.0	10.0	1.2611720796963626	--
<i>Pisum sativum</i>	Fruit	1.5	15.0	1.237464316955986	--
<i>Capsicum annuum</i>	Fruit	1.0	15.0	1.237464316955986	USDA's Ag Handbook 8 and sequelae)
<i>Allium sativum</i> var. <i>sativum</i>	Flower	1.1	9.5	1.226854112674882	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Asparagus officinalis</i>	Shoot	1.0	26.0	1.1875606145407158	--
<i>Chrysanthemum coronarium</i>	Leaf	0.9	14.0	1.1869303740705777	--
<i>Cichorium intybus</i>	Leaf	1.0	14.0	1.1869303740705777	USDA's Ag Handbook 8 and sequelae)
<i>Centella asiatica</i>	Leaf	1.5	14.0	1.1869303740705777	--
<i>Beta vulgaris</i>	Leaf	0.6	14.0	1.1869303740705777	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Cichorium endivia</i>	Leaf	0.7	14.0	1.1869303740705777	--
<i>Capsella bursa-pastoris</i>	Plant	2.5	21.2	1.1559734321825887	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Glycine max	Fruit	4.4	14.0	1.1094590253319676	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Phaseolus vulgaris	Leaf	1.8	13.6	1.1035688761011757	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Psophocarpus tetragonolobus	Seed	1.4	11.2	1.10126507491978	--
Blighia sapida	Aril	1.3	4.0	1.0933271415320287	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Crocus sativus	Silk Stigma Style	0.7	4.0	1.0000000000000009	--
Allium sativum var. sativum	Bulb	0.0	8.0	1.0	--
Nasturtium officinale	Herb	1.0	18.0	1.0	--
Chrysanthemum coronarium	Bud	0.3	4.2	0.9999999999999998	--
Hordeum vulgare	Stem		13.0	0.99861782933251	--
Aralia cordata	Leaf	0.6	13.0	0.978526629147074	--
Cucurbita pepo	Flower	0.4	8.6	0.9634191805054287	USDA's Ag Handbook 8 and sequelae)
Cajanus cajan	Fruit	3.4	12.4	0.9046505587335385	--
Allium ampeloprasum	Flower	1.4	8.3	0.8756075364489447	--
Momordica charantia	Fruit	0.2	12.0	0.8534484420839309	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Artocarpus altilis	Seed	2.0	10.0	0.8149652509512033	--
Glycine max	Seed	4.0	10.0	0.8149652509512033	--
Bertholletia excelsa	Seed		10.0	0.8149652509512033	USDA's Ag Handbook 8 and sequelae)
Sesamum indicum	Seed	5.0	10.0	0.8149652509512033	USDA's Ag Handbook 8 and sequelae)
Phaseolus vulgaris	Seed	3.7	10.0	0.8149652509512033	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Hordeum vulgare	Seed	1.0	10.0	0.8149652509512033	--
Vigna unguiculata	Seed	1.1	10.0	0.8149652509512033	USDA's Ag Handbook 8 and sequelae)
Vigna unguiculata	Seed	9.0	10.0	0.8149652509512033	USDA's Ag Handbook 8 and sequelae)
Papaver somniferum	Seed	7.8	9.9	0.7911069322871558	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Mentha x piperita</i>	Leaf		12.1	0.7909632587159201	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Gliricidia sepium</i>	Flower	1.1	8.0	0.7877958923924601	--
<i>Solanum nigrum</i>	Leaf	1.0	12.0	0.7701228842235702	--
<i>Allium schoenoprasum</i>	Leaf	0.5	12.0	0.7701228842235702	--
<i>Hibiscus sabdariffa</i>	Leaf	0.0	12.0	0.7701228842235702	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Artemisia vulgaris</i>	Leaf	1.5	12.0	0.7701228842235702	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Cucurbita spp</i>	Fruit	0.6	10.0	0.5974378588358942	--
<i>Solanum melongena</i>	Fruit	0.4	10.0	0.5974378588358942	--
<i>Lycopersicon esculentum</i>	Fruit	1.0	10.0	0.5974378588358942	--
<i>Luffa aegyptiaca</i>	Fruit	0.5	10.0	0.5974378588358942	--
<i>Benincasa hispida</i>	Fruit	0.0	10.0	0.5974378588358942	--
<i>Canavalia ensiformis</i>	Fruit	1.0	10.0	0.5974378588358942	--
<i>Vigna unguiculata</i>	Fruit	0.8	10.0	0.5974378588358942	USDA's Ag Handbook 8 and sequelae)
<i>Vicia faba</i>	Seed	1.7	9.0	0.5763820643107227	USDA's Ag Handbook 8 and sequelae)
<i>Fagopyrum esculentum</i>	Seed	2.7	9.0	0.5763820643107227	--
<i>Pinus pinea</i>	Seed	6.0	9.0	0.5763820643107227	--
<i>Sida rhombifolia</i>	Leaf	2.2	11.0	0.5617191393000665	--
<i>Acacia farnesiana</i>	Leaf	2.0	11.0	0.5617191393000665	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Arachis hypogaea</i>	Leaf	2.3	11.0	0.5617191393000665	--
<i>Brassica oleracea var. gemmifera</i>	Leaf	1.3	11.0	0.5617191393000665	USDA's Ag Handbook 8 and sequelae)
<i>Carya illinoensis</i>	Seed	7.2	8.9	0.5525237456466752	--
<i>Corchorus olitorius</i>	Leaf	1.3	10.8	0.5200383903153659	--
<i>Anacardium occidentale</i>	Seed	2.0	8.7	0.5048071083185783	--
<i>Canavalia ensiformis</i>	Seed	4.6	8.6	0.48094878965453075	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Citrullus lanatus	Fruit	4.0	9.0	0.46943256721187576	--
Tamarindus indica	Fruit	2.0	9.0	0.46943256721187576	USDA's Ag Handbook 8 and sequelae)
Phaseolus vulgaris	Fruit	0.5	8.8	0.4438315088870722	--
Pastinaca sativa	Root	0.8	11.4	0.42037206655920695	--
Arctium lappa	Root	1.0	11.0	0.384789019052169	--
Vitis vinifera	Stem		11.0	0.36791183185934545	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Peperomia pereskiiifolia	Leaf	1.5	10.0	0.35331539437656273	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Manihot esculenta	Leaf	2.0	10.0	0.35331539437656273	--
Chenopodium album	Leaf	1.0	10.0	0.35331539437656273	--
Brassica oleracea var. capitata l.	Leaf	0.5	10.0	0.35331539437656273	--
Vaccinium myrtillus	Fruit	7.0	8.0	0.3414272755878574	--
Cyclanthera pedata	Fruit	0.4	8.0	0.3414272755878574	--
Zea mays	Fruit	2.0	8.0	0.3414272755878574	--
Solanum torvum	Fruit	1.2	8.0	0.3414272755878574	--
Capsicum frutescens	Fruit	0.0	8.0	0.3414272755878574	USDA's Ag Handbook 8 and sequelae)
Citrus reticulata	Fruit	1.0	8.0	0.3414272755878574	--
Annona diversifolia	Fruit	0.2	8.0	0.3414272755878574	--
Raphanus sativus	Fruit	0.3	7.9	0.3286267464254556	--
Ipomoea batatas	Leaf	0.8	9.8	0.31163464539186214	--
Pouteria caimito	Fruit	0.2	7.7	0.3030256881006518	--
Berberis vulgaris	Root		10.0	0.29583140028457455	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Cucumis sativus	Fruit	0.3	7.6	0.29022515893825	--
Foeniculum vulgare	Plant	1.0	11.0	0.2889933580456471	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Raphanus sativus	Root	0.3	9.7	0.2691441146542965	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Vigna radiata</i>	Seed	5.4	7.7	0.26622392167809805	USDA's Ag Handbook 8 and sequelae)
<i>Trichosanthes anguina</i>	Fruit	0.4	7.4	0.26462410061344643	--
<i>Crescentia alata</i>	Seed	7.3	7.6	0.24236560301405008	--
<i>Sphenostylis stenocarpa</i>	Seed	6.9	7.6	0.24236560301405008	--
<i>Tropaeolum tuberosum</i>	Root	0.6	9.3	0.23356106714725886	--
<i>Caulophyllum thalictroides</i>	Root		9.3	0.23356106714725886	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Myristica fragrans</i>	Aril		3.0	0.23017413505937473	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Spinacia oleracea</i>	Plant	0.7	10.2	0.2209949208584362	USDA's Ag Handbook 8 and sequelae)
<i>Nelumbo nucifera</i>	Seed	1.5	7.5	0.21850728435000166	--
<i>Cyphomandra betacea</i>	Fruit	0.3	7.0	0.21342198396383905	--
<i>Ananas comosus</i>	Fruit	0.0	7.0	0.21342198396383905	--
<i>Solanum quitoensis</i>	Fruit	0.4	7.0	0.21342198396383905	--
<i>Cuminum cyminum</i>	Fruit	6.0	7.0	0.21342198396383905	--
<i>Citrus sinensis</i>	Fruit	1.0	7.0	0.21342198396383905	--
<i>Brassica napus</i> var. <i>napobrassica</i>	Root	1.0	9.0	0.20687378151698016	USDA's Ag Handbook 8 and sequelae)
<i>Cynara cardunculus</i>	Flower	0.7	6.0	0.20238493201589755	--
<i>Musa x paradisiaca</i>	Fruit	0.3	6.9	0.20062145480143725	--
<i>Phaseolus lunatus</i>	Seed	1.6	7.4	0.1946489656859541	--
<i>Curcuma longa</i>	Rhizome	0.0	8.0	0.17349447958987207	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Averrhoa carambola</i>	Fruit	0.2	6.57	0.15837970856551117	--
<i>Lagenaria siceraria</i>	Fruit	0.3	6.5	0.14941933815182984	--
<i>Rumex acetosa</i>	Leaf	0.8	9.0	0.144911649453059	--
<i>Gliricidia sepium</i>	Leaf	1.4	9.0	0.144911649453059	--
<i>Ipomoea aquatica</i>	Leaf	0.3	9.0	0.144911649453059	--
<i>Brassica chinensis</i>	Leaf	0.4	9.0	0.144911649453059	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Erythrina fusca	Leaf	2.4	9.0	0.144911649453059	--
Borago officinalis	Leaf	1.0	9.0	0.144911649453059	USDA's Ag Handbook 8 and sequelae)
Brassica rapa	Leaf	0.4	9.0	0.144911649453059	USDA's Ag Handbook 8 and sequelae)
Ruscus aculeatus	Root		8.3	0.14460344837966446	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Rumex crispus	Root		8.1	0.12681192462614532	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Pereskia aculeata	Fruit	0.2	6.3	0.12381827982702627	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Allium ampeloprasum	Root	1.1	8.0	0.11791616274938575	--
Blighia sapida	Seed	0.7	7.0	0.09921569102976133	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Terminalia catappa	Seed	3.0	7.0	0.09921569102976133	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Cuminum cyminum	Seed	6.0	7.0	0.09921569102976133	--
Lupinus albus	Seed	6.0	7.0	0.09921569102976133	--
Perilla frutescens	Seed	1.0	7.0	0.09921569102976133	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Citrus paradisi	Fruit	0.0	6.0	0.08541669233982067	--
Citrus limon	Fruit	4.0	6.0	0.08541669233982067	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Physalis ixocarpa	Fruit	0.5	6.0	0.08541669233982067	--
Citrus aurantium	Fruit	1.0	6.0	0.08541669233982067	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Phyllanthus acidus	Fruit	0.1	6.0	0.08541669233982067	--
Glycine max	Sprout Seedling	1.9	17.0	0.07899870143001875	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Abelmoschus esculentus	Seed		6.9	0.07535737236571377	Wealth of India.
Cucurbita pepo	Fruit	0.5	5.9	0.07261616317741888	USDA's Ag Handbook 8 and sequelae)
Allium ampeloprasum	Leaf	0.9	8.5	0.040709776991307144	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Manihot esculenta	Root	0.3	7.1	0.03785430585855091	--
Dioscorea pentaphylla	Root	1.0	7.0	0.02895854398179134	--
Vicia faba	Fruit	0.8	5.4	0.008613517365409695	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Phaseolus coccineus	Fruit	3.4	5.4	0.008613517365409695	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Vigna angularis	Seed	3.4	6.6	0.003782416373569394	--
Lactuca sativa	Leaf	0.5	8.3	-9.709719933934542E-4	--
Medicago sativa	Plant	1.3	7.5	-0.008499804648401508	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Passiflora ligularis	Fruit	0.0	5.2	-0.016987540959394115	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Vigna mungo	Seed	4.2	6.5	-0.020075902290479012	--
Calathea macrosepala	Flower	0.4	5.2	-0.03177945213472767	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Anethum graveolens	Fruit	4.0	5.0	-0.0425885992841977	--
Serenoa repens	Fruit	0.6	5.0	-0.0425885992841977	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Annona reticulata	Fruit	0.7	5.0	-0.0425885992841977	--
Prunus cerasus	Fruit	0.0	5.0	-0.0425885992841977	--
Annona squamosa	Fruit	1.0	5.0	-0.0425885992841977	--
Foeniculum vulgare	Fruit	4.0	5.0	-0.0425885992841977	--
Allium sativum var. sativum	Leaf	1.1	8.1	-0.04265172097809442	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Rumex crispus	Leaf	0.6	8.1	-0.04265172097809442	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Petroselinum crispum	Plant	0.0	7.0	-0.050998827890408445	--
Vitis vinifera	Fruit	0.8	4.9	-0.05538912844659949	USDA's Ag Handbook 8 and sequelae)



Plant	Part	Low PPM	High PPM	StdDev	Reference
Daucus carota	Root	1.0	6.0	-0.05999907478580307	--
Erythroxylum coca	Leaf	3.5	8.0	-0.06349209547044472	--
Brassica oleracea var. italica	Leaf	0.6	8.0	-0.06349209547044472	USDA's Ag Handbook 8 and sequelae)
Salvia officinalis	Leaf	7.0	8.0	-0.06349209547044472	Father Nature's Farmacy: The aggregate of all these three-letter citations.
Momordica charantia	Leaf	1.3	8.0	-0.06349209547044472	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Brassica oleracea var. botrytis l.	Leaf	0.6	8.0	-0.06349209547044472	--
Annona muricata	Fruit	0.7	4.8	-0.06818965760900128	--
Eleocharis dulcis	Tuber	0.3	6.0	-0.07433779685362712	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Rheum rhabarbarum	Pt	0.2	6.5	-0.07643467149674896	--
Physalis peruviana	Fruit	0.5	4.7	-0.0809901867714033	--
Carthamus tinctorius	Seed	5.9	6.2	-0.09165085828262295	--
Vigna aconitifolia	Seed	5.6	6.2	-0.09165085828262295	--
Cinnamomum aromaticum	Bark		1.0	-0.0940720868383599	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Cinnamomum verum	Bark		1.0	-0.0940720868383599	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Licania platypus	Fruit	0.05	4.5	-0.10659124509620688	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Moringa oleifera	Fruit	0.5	4.5	-0.10659124509620688	USDA's Ag Handbook 8 and sequelae)
Spondias mombin	Fruit	0.4	4.5	-0.10659124509620688	--
Pouteria campechiana	Fruit	0.2	4.5	-0.10659124509620688	--
Erythrina berteroana	Shoot	1.9	12.0	-0.11133380761319199	--
Moringa oleifera	Shoot	2.0	12.0	-0.11133380761319199	USDA's Ag Handbook 8 and sequelae)
Cucumis melo	Fruit	0.3	4.4	-0.11939177425860867	USDA's Ag Handbook 8 and sequelae)

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Lycium chinense</i>	Leaf	0.8	7.7	-0.12601321894749598	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.
<i>Elaeagnus umbellatus</i>	Fruit	0.7	4.3	-0.13219230342101046	--
<i>Brassica nigra</i>	Leaf	0.44	7.66	-0.13434936874443595	USDA's Ag Handbook 8 and sequelae)
<i>Rosmarinus officinalis</i>	Plant	5.0	6.0	-0.13599687437442232	USDA's Ag Handbook 8 and sequelae)
<i>Thymus vulgaris</i>	Plant	5.0	6.0	-0.13599687437442232	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Sinapis alba</i>	Seed	5.0	6.0	-0.13936749561071934	--
<i>Corylus avellana</i>	Seed	1.6	6.0	-0.13936749561071934	--
<i>Cicer arietinum</i>	Seed	4.0	6.0	-0.13936749561071934	USDA's Ag Handbook 8 and sequelae)
<i>Lens culinaris</i>	Seed	2.6	6.0	-0.13936749561071934	--
<i>Ipomoea batatas</i>	Root	0.6	5.1	-0.1400609316766379	--
<i>Theobroma cacao</i>	Fruit	1.8	4.2	-0.14499283258341247	J Cell Biochem VOL. 22=1995
<i>Persea americana</i>	Fruit	0.5	4.2	-0.14499283258341247	--
<i>Brassica rapa</i>	Root	0.4	5.0	-0.1489566935533975	--
<i>Colocasia esculenta</i>	Root	0.3	5.0	-0.1489566935533975	--
<i>Gentiana lutea</i>	Root		4.8	-0.1667482173069163	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Lepidium sativum</i>	Leaf	0.8	7.5	-0.1676939679321966	--
<i>Artocarpus altilis</i>	Fruit	1.0	4.0	-0.17059389090821606	--
<i>Sicana odorifera</i>	Fruit	0.5	4.0	-0.17059389090821606	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Carum carvi</i>	Fruit	3.0	4.0	-0.17059389090821606	--
<i>Psidium guajava</i>	Fruit	0.4	4.0	-0.17059389090821606	--
<i>Fragaria spp</i>	Fruit	0.2	4.0	-0.17059389090821606	--
<i>Punica granatum</i>	Fruit	0.0	4.0	-0.17059389090821606	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Spondias dulcis</i>	Fruit	0.5	4.0	-0.17059389090821606	--
<i>Annona cherimola</i>	Fruit	1.0	4.0	-0.17059389090821606	--
<i>Rosa canina</i>	Fruit		3.8	-0.19619494923301964	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Spondias purpurea</i>	Fruit	0.7	3.7	-0.20899547839542165	--
<i>Mucuna pruriens</i>	Seed	1.4	5.7	-0.2109424516028633	--
<i>Ullucus tuberosus</i>	Root	0.4	4.3	-0.2112270266907135	--
<i>Larrea tridentata</i>	Plant		5.1	-0.2124951162100347	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Anethum graveolens</i>	Plant	4.0	5.0	-0.2209949208584362	USDA's Ag Handbook 8 and sequelae)
<i>Sclerocarya caffra</i>	Fruit	0.3	3.6	-0.22179600755782344	--
<i>Syzygium malaccense</i>	Fruit	0.1	3.5	-0.23459653672022523	--
<i>Elaeis guineensis</i>	Fruit	2.0	3.5	-0.23459653672022523	--
<i>Vitellaria paradoxa</i>	Seed		5.6	-0.2348007702669113	--
<i>Maranta arundinacea</i>	Root	0.8	4.0	-0.23791431232099172	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Mangifera indica</i>	Fruit	0.4	3.4	-0.24739706588262703	--
<i>Humulus lupulus</i>	Fruit		3.4	-0.24739706588262703	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Xanthosoma sagittifolium</i>	Root	1.3	3.8	-0.2557058360745107	--
<i>Ficus carica</i>	Fruit	0.0	3.3	-0.2601975950450288	--
<i>Brassica oleracea</i> var. <i>sabellica</i> l.	Leaf	1.0	7.0	-0.2718958403939485	--
<i>Amaranthus</i> sp.	Leaf	1.0	7.0	-0.2718958403939485	--
<i>Basella alba</i>	Leaf	0.5	7.0	-0.2718958403939485	--
<i>Morinda citrifolia</i>	Leaf	1.6	7.0	-0.2718958403939485	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Raphanus sativus</i>	Leaf	1.4	7.0	-0.2718958403939485	--
<i>Euphrasia officinalis</i>	Plant		4.3	-0.28049355339724585	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Dioscorea sp.	Root		3.5	-0.2823931217047889	--
Brosimum alicastrum	Fruit	0.5	3.1	-0.2857986533698326	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Vaccinium corymbosum	Fruit	0.5	3.1	-0.2857986533698326	--
Lupinus mutabilis	Fruit	0.9	3.1	-0.2857986533698326	--
Phytolacca americana	Shoot	1.0	10.0	-0.2968901536351788	--
Chrysanthemum parthenium	Plant		4.1	-0.2974931626940486	--
Tanacetum parthenium	Plant		4.1	-0.2974931626940486	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Sambucus canadensis	Fruit	1.0	3.0	-0.29859918253223444	USDA's Ag Handbook 8 and sequelae)
Annona glabra	Fruit	0.4	3.0	-0.29859918253223444	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Ribes nigrum	Fruit	1.0	3.0	-0.29859918253223444	USDA's Ag Handbook 8 and sequelae)
Carica pentagona	Fruit	0.2	3.0	-0.29859918253223444	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Artocarpus heterophyllus	Fruit	0.3	3.0	-0.29859918253223444	--
Coriandrum sativum	Fruit	2.0	3.0	-0.29859918253223444	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Ribes uva-crispa	Fruit	0.0	3.0	-0.29859918253223444	--
Persea schiedeana	Fruit	0.5	3.0	-0.29859918253223444	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Citrus aurantiifolia	Fruit	0.0	3.0	-0.29859918253223444	--
Avena sativa	Plant	0.9	4.0	-0.3059929673424499	Jim Duke's personal files.*
Triticum aestivum	Plant	3.3	4.0	-0.3059929673424499	--
Satureja hortensis	Plant		4.0	-0.3059929673424499	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Origanum vulgare	Plant	3.0	4.0	-0.3059929673424499	USDA's Ag Handbook 8 and sequelae)
Muntingia calabura	Fruit	0.3	2.9	-0.3113997116946362	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Prunus domestica</i>	Fruit	0.4	2.9	-0.3113997116946362	USDA's Ag Handbook 8 and sequelae)
<i>Oxalis tuberosa</i>	Root	0.5	3.1	-0.31797616921182675	--
<i>Trifolium pratense</i>	Flower		4.2	-0.32448493232300896	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Zingiber officinale</i>	Root	0.0	3.0	-0.32687193108858614	--
<i>Tragopogon porrifolius</i>	Root	1.0	3.0	-0.32687193108858614	--
<i>Armoracia rusticana</i>	Root	0.0	3.0	-0.32687193108858614	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Alocasia macrorrhiza</i>	Root	0.2	3.0	-0.32687193108858614	--
<i>Inga edulis</i>	Seed	1.9	5.2	-0.33023404492310365	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Vigna subterranea</i>	Seed	1.8	5.2	-0.33023404492310365	--
<i>Lupinus mutabilis</i>	Seed	4.7	5.2	-0.33023404492310365	--
<i>Tetragonia tetragonioides</i>	Leaf	0.4	6.7	-0.33441696387099973	--
<i>Piper auritum</i>	Leaf	1.2	6.7	-0.33441696387099973	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Eugenia brasiliensis</i>	Fruit	0.4	2.7	-0.33700077001944	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
<i>Averrhoa bilimbi</i>	Fruit	0.1	2.7	-0.33700077001944	--
<i>Amorphophallus campanulatus</i>	Root	0.5	2.8	-0.34466345484210514	--
<i>Carica papaya</i>	Fruit	0.2	2.6	-0.34980129918184183	USDA's Ag Handbook 8 and sequelae)
<i>Hylocereus undatus</i>	Fruit	0.4	2.6	-0.34980129918184183	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Mauritia flexuosa</i>	Fruit	1.2	2.6	-0.34980129918184183	J Cell Biochem VOL. 22=1995
<i>Echinacea spp</i>	Root		2.6	-0.3624549785956239	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Hydrastis canadensis</i>	Root		2.6	-0.3624549785956239	--
<i>Prunus armeniaca</i>	Fruit	0.3	2.5	-0.3626018283442436	USDA's Ag Handbook 8 and sequelae)

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Hylocereus guatemalensis</i>	Fruit	0.3	2.5	-0.3626018283442436	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
<i>Solanum sessiliflorum</i>	Fruit	0.25	2.5	-0.3626018283442436	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
<i>Vaccinium macrocarpon</i>	Fruit	0.3	2.5	-0.3626018283442436	--
<i>Foeniculum vulgare</i>	Seed	4.0	5.0	-0.37795068225120004	USDA's Ag Handbook 8 and sequelae)
<i>Ginkgo biloba</i>	Seed	2.0	5.0	-0.37795068225120004	USDA's Ag Handbook 8 and sequelae)
<i>Anethum graveolens</i>	Seed	4.0	5.0	-0.37795068225120004	USDA's Ag Handbook 8 and sequelae)
<i>Juglans regia</i>	Seed	3.0	5.0	-0.37795068225120004	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Yucca baccata</i>	Root		2.4	-0.38024650234914276	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Arracacia xanthorrhiza</i>	Root	0.7	2.4	-0.38024650234914276	--
<i>Beta vulgaris</i>	Root	0.1	2.4	-0.38024650234914276	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Tamarindus indica</i>	Flower		4.0	-0.383026028360665	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Trachyspermum ammi</i>	Fruit	2.1	2.3	-0.3882028866690472	--
<i>Chrysophyllum cainito</i>	Fruit	0.1	2.3	-0.3882028866690472	--
<i>Mammea americana</i>	Fruit	0.2	2.3	-0.3882028866690472	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Malpighia glabra</i>	Fruit	0.2	2.3	-0.3882028866690472	--
<i>Mentha spicata</i>	Plant	1.0	3.0	-0.3909910138264638	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Origanum majorana</i>	Plant		3.0	-0.3909910138264638	USDA's Ag Handbook 8 and sequelae)
<i>Artemisia dracunculus</i>	Plant	2.0	3.0	-0.3909910138264638	--
<i>Allium cepa</i>	Leaf	0.5	6.4	-0.39693808734805064	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Plant	Part	Low PPM	High PPM	StdDev	Reference
Casimiroa edulis	Fruit	0.4	2.2	-0.4010034158314492	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Elaeagnus commutata	Fruit	0.3	2.2	-0.4010034158314492	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Rubus idaeus	Fruit	0.3	2.2	-0.4010034158314492	Revised USDA data received 1993.
Glycyrrhiza glabra	Root		2.1	-0.40693378797942115	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Scutellaria lateriflora	Plant		2.8	-0.40799062312326667	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Eugenia uniflora	Fruit	0.2	2.1	-0.413803944993851	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Spondias pinnata	Fruit	0.2	2.1	-0.413803944993851	--
Quararibea cordata	Fruit	0.2	2.1	-0.413803944993851	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Anacardium occidentale	Fruit	0.3	2.1	-0.413803944993851	--
Cichorium intybus	Root	0.0	2.0	-0.41582954985618054	USDA's Ag Handbook 8 and sequelae)
Lepidium meyenii	Root		2.0	-0.41582954985618054	--
Cnicus benedictus	Plant		2.7	-0.41649042777166784	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Malus domestica	Fruit	1.0	2.0	-0.4266044741562528	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Morus alba	Fruit	0.0	2.0	-0.4266044741562528	--
Ribes rubrum	Fruit	1.0	2.0	-0.4266044741562528	--
Prunus persica	Fruit	1.0	2.0	-0.4266044741562528	--
Juglans nigra	Fruit		2.0	-0.4266044741562528	--
Psidium cattleianum	Fruit	0.2	1.9	-0.43940500331865456	--
Garcinia mangostana	Fruit	0.3	1.9	-0.43940500331865456	--
Cydonia oblonga	Fruit	0.2	1.9	-0.43940500331865456	--
Phyllanthus emblica	Fruit	0.3	1.9	-0.43940500331865456	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Panax ginseng</i>	Root		1.7	-0.4425168354864589	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Vigna radiata</i>	Sprout Seedling	0.7	10.3	-0.45029259815110706	USDA's Ag Handbook 8 and sequelae)
<i>Chondrus crispus</i>	Plant		2.3	-0.4504896463652736	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Valeriana officinalis</i>	Root		1.6	-0.45141259736321837	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Eriobotrya japonica</i>	Fruit	0.2	1.8	-0.4522055324810564	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Rollinia mucosa</i>	Fruit	0.4	1.8	-0.4522055324810564	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
<i>Syzygium cumini</i>	Fruit	0.0	1.8	-0.4522055324810564	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Myrciaria dubia</i>	Fruit	0.1	1.7	-0.4650060616434584	--
<i>Phoenix dactylifera</i>	Fruit	0.1	1.7	-0.4650060616434584	--
<i>Stellaria media</i>	Plant	0.2	2.1	-0.46748925566207633	--
<i>Dioscorea alata</i>	Root	0.3	1.4	-0.46920412111673715	--
<i>Eugenia floribunda</i>	Fruit	0.2	1.6	-0.4778065908058602	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Murraya sp</i>	Fruit	0.48	1.6	-0.4778065908058602	--
<i>Piper nigrum</i>	Fruit	0.5	1.6	-0.4778065908058602	--
<i>Platycodon grandiflorum</i>	Root	1.0	1.3	-0.4780998829934966	--
<i>Ocimum basilicum</i>	Leaf	1.0	6.0	-0.4802995853174522	--
<i>Rosmarinus officinalis</i>	Leaf	3.0	6.0	-0.4802995853174522	USDA's Ag Handbook 8 and sequelae)
<i>Mimulus glabratus</i>	Shoot	0.8	8.0	-0.4824464996571655	--
<i>Symphytum officinale</i>	Root		1.2	-0.48699564487025615	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Cyrtosperma chamissonis</i>	Root	0.1	1.2	-0.48699564487025615	--
<i>Polymnia edulis</i>	Root	0.2	1.1	-0.49589140674701554	--



Plant	Part	Low PPM	High PPM	StdDev	Reference
Solanum tuberosum	Tuber	1.0	5.0	-0.49912520744578037	--
Bactris gasipaes	Fruit	0.3	1.4	-0.5034076491306638	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Passiflora edulis	Fruit	0.0	1.4	-0.5034076491306638	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Platonia insignis	Fruit	0.4	1.4	-0.5034076491306638	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Althaea officinalis	Root		1.0	-0.5047871686237749	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Canna indica	Root	0.3	1.0	-0.5047871686237749	--
Rhodymenia palmata	Plant		1.6	-0.5099882789040833	--
Prunus salicifolia	Fruit	0.2	1.3	-0.5162081782930655	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Opuntia ficus-indica	Fruit	0.1	1.3	-0.5162081782930655	--
Zizyphus jujuba	Fruit	0.2	1.3	-0.5162081782930655	--
Genipa americana	Fruit	0.4	1.2	-0.5290087074554676	--
Byrsonima crassifolia	Fruit	0.1	1.2	-0.5290087074554676	--
Juniperus communis	Fruit		1.2	-0.5290087074554676	--
Pyrus communis	Fruit	0.2	1.2	-0.5290087074554676	--
Syzygium jambos	Fruit	0.1	1.1	-0.5418092366178694	--
Pimenta dioica	Fruit		1.1	-0.5418092366178694	--
Syzygium aromaticum	Fruit		1.0	-0.5546097657802712	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Actinidia chinensis	Fruit	0.2	1.0	-0.5546097657802712	--
Sambucus nigra	Plant		1.0	-0.5609871067944916	--
Malva parviflora	Plant		1.0	-0.5609871067944916	--
Boehmeria nivea	Shoot		7.0	-0.5752246726681589	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Lycium chinense	Fruit		0.8	-0.5802108241050747	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Polygonum multiflorum	Root		0.1	-0.5848490255146099	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Plectranthus amboinicus	Leaf	0.3	5.4	-0.6053418322715544	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Urtica dioica	Leaf	0.3	5.4	-0.6053418322715544	--
Myrciaria cauliflora	Fruit	0.1	0.6	-0.6058118824298786	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Passiflora foetida	Fruit	0.1	0.6	-0.6058118824298786	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Carum carvi	Seed	3.0	4.0	-0.6165338688916807	USDA's Ag Handbook 8 and sequelae)
Myristica fragrans	Seed	3.0	4.0	-0.6165338688916807	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Macadamia spp	Seed	3.0	4.0	-0.6165338688916807	USDA's Ag Handbook 8 and sequelae)
Tropaeolum majus	Shoot	0.9	6.5	-0.6216137591736556	--
Manilkara zapota	Fruit	0.0	0.4	-0.6314129407546821	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Zizyphus spina-christi	Fruit		0.4	-0.6314129407546821	--
Lens culinaris	Sprout Seedling	2.0	8.0	-0.63198961144015	USDA's Ag Handbook 8 and sequelae)
Allium sativum var. sativum	Shoot	1.4	6.3	-0.6401693937758542	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Oryza sativa	Seed	2.2	3.9	-0.6403921875557287	--
Pouteria viridis	Fruit	0.1	0.3	-0.644213469917084	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Fucus vesiculosus	Plant		0.0	-0.6459851532785054	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Equisetum arvense	Plant		0.0	-0.6459851532785054	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Quercus alba	Bark		0.0	-0.6585046078685182	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Salix alba	Bark		0.0	-0.6585046078685182	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Frangula purshiana	Bark		0.0	-0.6585046078685182	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Eryngium floridanum	Shoot		6.0	-0.6680028456791524	--
Hibiscus sabdariffa	Flower	0.0	3.0	-0.6757315085489463	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Hibiscus rosa-sinensis	Flower	0.3	3.0	-0.6757315085489463	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Pourouma cecropiaefolia	Fruit		0.0	-0.6826150574042895	J Cell Biochem VOL. 22=1995
Schisandra chinensis	Fruit		0.0	-0.6826150574042895	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Cannabis sativa	Seed	3.2	3.7	-0.6881088248838246	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Cucurbita pepo	Seed	1.9	3.7	-0.6881088248838246	--
Luffa aegyptiaca	Leaf	0.5	5.0	-0.688703330240956	--
Mentha spicata	Leaf	0.8	5.0	-0.688703330240956	--
Perilla frutescens	Leaf	1.0	5.0	-0.688703330240956	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Phaseolus acutifolius	Seed	3.3	3.6	-0.7119671435478726	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Piper betel	Leaf	0.1	4.8	-0.7303840792256565	--
Phaseolus coccineus	Seed	3.0	3.5	-0.7358254622119208	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Brassica oleracea var. viridis l.	Leaf	0.3	4.75	-0.7408042664718318	--
Alpinia galanga	Rhizome	1.0	4.0	-0.7518094115561123	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Gossypium sp	Seed		3.2	-0.8074004182040649	--
Coix lacryma-jobi	Seed	2.8	3.2	-0.8074004182040649	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Sechium edule	Shoot	0.3	4.0	-0.853559191701139	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Theobroma cacao	Seed	1.0	3.0	-0.8551170555321612	--
Secale cereale	Seed	3.0	3.0	-0.8551170555321612	USDA's Ag Handbook 8 and sequelae)
Bromelia pinguin	Shoot	0.2	3.8	-0.8721148263033377	--
Phaseolus lunatus	Sprout Seedling	0.1	4.7	-0.8926853261592119	--
Camellia sinensis	Leaf	1.0	4.0	-0.8971070751644596	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Carica papaya	Leaf	1.0	4.0	-0.8971070751644596	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Chenopodium ambrosioides	Leaf	0.6	4.0	-0.8971070751644596	--
Tamarindus indica	Leaf		4.0	-0.8971070751644596	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Peperomia pelucida	Leaf	0.3	3.8	-0.9387878241491603	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Prunus dulcis	Seed	2.2	2.6	-0.9505503301883533	USDA's Ag Handbook 8 and sequelae)
Zingiber officinale	Rhizome	0.0	3.0	-0.9831353843426084	--
Opuntia ficus-indica	Bud		0.1	-0.9999999999999998	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
Zea mays	Silk Stigma Style		2.1	-0.9999999999999999	--
Allium cepa	Bulb	0.3	6.0	-1.0	--
Portulaca oleracea	Herb	1.0	10.0	-1.0	--
Bixa orellana	Seed		2.3	-1.0221252861804977	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.
Theobroma bicolor	Seed	2.2	2.3	-1.0221252861804977	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Rubus idaeus	Leaf		3.4	-1.0221493221185618	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Rheum rhabarbarum	Leaf	0.2	3.3	-1.0429896966109122	--
Pachyrhizus erosus	Tuber	0.4	3.7	-1.0513488412155791	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Lobelia inflata	Leaf		3.2	-1.0638300711032627	--
Chenopodium album	Seed	1.0	2.0	-1.0937002421726418	--
Juglans nigra	Seed		2.0	-1.0937002421726418	--
Coffea arabica	Seed		2.0	-1.0937002421726418	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Elettaria cardamomum	Seed	1.0	2.0	-1.0937002421726418	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Murraya koenigii	Leaf	0.0	3.0	-1.1055108200879633	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Areca catechu	Seed	1.7	1.9	-1.11755856083669	--
Linum usitatissimum	Seed		1.8	-1.141416879500738	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Justicia pectoralis	Leaf	0.4	2.7	-1.1680319435650144	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Petasites japonicus	Pt	0.2	3.6	-1.184737408199613	USDA's Ag Handbook 8 and sequelae)
Prunus armeniaca	Seed		1.5	-1.2129918354928821	--
Agrimonia eupatoria	Leaf		2.4	-1.2305530670420655	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
Boehmeria nivea	Leaf	0.3	2.3	-1.2513934415344161	--
Syzygium aromaticum	Flower		1.0	-1.2611424689255089	--
Chamaemelum nobile	Flower		0.8	-1.319683564963165	--
Inga feuillei	Aril	0.2	1.2	-1.3235012765914023	J Cell Biochem VOL. 22=1995
Cola acuminata	Seed		1.0	-1.3322834288131225	--
Cocos nucifera	Seed	0.3	1.0	-1.3322834288131225	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Capparis spinosa	Flower	0.7	0.72	-1.3431000033782277	--
Mangifera indica	Leaf	0.4	1.8	-1.3555953139961678	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Turnera diffusa	Leaf		1.8	-1.3555953139961678	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Brassica oleracea	Stem	0.5	5.5	-1.3665296611918556	--
Pimenta dioica	Leaf	1.1	1.7	-1.3764356884885183	--
Aleurites moluccana	Seed		0.6	-1.4277167034693148	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Sclerocarya caffra	Seed		0.4	-1.4754333407974107	--
Pachira macrocarpa	Seed		0.3	-1.499291659461459	--
Arctostaphylos uva-ursi	Leaf		1.0	-1.5223183099349709	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Alocasia macrorrhiza	Leaf	0.1	0.9	-1.543158684427321	--
Aloe vera	Leaf		0.8	-1.5639990589196717	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Plantago psyllium	Seed		0.0	-1.5708666154536033	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Amaranthus spinosus	Leaf	0.1	0.6	-1.6056798079043724	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Catha edulis	Leaf		0.5	-1.6265201823967228	--
Anacardium occidentale	Leaf	0.1	0.3	-1.6682009313814234	--
Stevia rebaudiana	Leaf				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Sechium edule	Plant				--
Matricaria recutita	Plant				Kameoka, H. and Nakai, K. 1987. Components of essential oil from the root of Glycyrrhiza-glabra. Nippon Gogeikagaku Kaishi 61(9): 1119-1122.
Acacia nilotica	Plant				--
Achillea millefolium	Plant				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Passiflora quadrangularis	Fruit				--
Passiflora quadrangularis	Seed				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Taraxacum officinale	Root				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Rhizophora mangle	Leaf				--
Angelica sinensis	Root				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Amorphophallus konjac	Root				--
Tabebuia heptaphylla	Bark				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Myrica cerifera	Bark				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Verbascum thapsus	Leaf				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Crataegus laevigata	Fruit				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Picrasma excelsa	Plant				--
Crataegus rhipidophylla	Fruit				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.