

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for BETA-CAROTENE

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Elaeis guineensis</i>	Fruit	365.0	575.0	0.9606640109650738	--
<i>Hordeum vulgare</i>	Plant	149.0	660.0	2.8473075887780093	Jim Duke's personal files.*
<i>Peperomia pereskiiifolia</i>	Leaf	138.0	920.0	2.868611640963322	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Acacia farnesiana</i>	Leaf	120.0	646.0	1.6753562972527778	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Carica papaya</i>	Leaf	116.0	514.0	1.1005033579469683	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Pimenta dioica</i>	Leaf	103.0	120.0	-0.6153455669506752	--
<i>Sambucus nigra</i>	Fruit	100.0	150.0	0.13914666828563477	--
<i>Luffa aegyptiaca</i>	Leaf	92.0	933.0	2.925225945591924	--
<i>Tropaeolum majus</i>	Shoot	90.0	665.0	2.310754647129451	--
<i>Chrysanthemum coronarium</i>	Bud	88.0	1183.0	0.9999999999999998	--
<i>Rumex acetosa</i>	Leaf	77.0	1100.0	3.652502012743971	--
<i>Arachis hypogaea</i>	Leaf	77.0	360.0	0.42984159542352385	--
<i>Lycium barbarum</i>	Fruit	75.0	90.0	0.023167749319125738	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
<i>Ulex europaeus</i>	Plant	75.0	253.0	0.6430407383873318	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Hibiscus rosa-sinensis</i>	Leaf	75.0	750.0	2.1282707342815974	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Chenopodium album</i>	Leaf	71.0	316.0	0.23822394898825403	--
<i>Mimosa pudica</i>	Leaf	65.0	930.0	2.9121611060622468	--
<i>Amaranthus spinosus</i>	Leaf	65.0	408.0	0.6388790278983637	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Sorbus aucubaria</i>	Plant	62.0	98.0	-0.19642206704400744	--
<i>Sida rhombifolia</i>	Leaf	60.0	305.0	0.19031953737943658	--
<i>Cnidocolus chayamansa</i>	Leaf	60.0	425.0	0.7129131185665362	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Murraya koenigii	Leaf	60.0	225.0	-0.15807618341196314	--
Rumex crispus	Root	58.0	225.0	1.0022815883368308	--
Boehmeria nivea	Leaf	52.0	403.0	0.6171042953489012	--
Phytolacca americana	Shoot	52.0	621.0	2.1099158539709246	--
Momordica charantia	Leaf	51.0	330.0	0.299193200126749	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Brassica oleracea var. sabellica l.	Leaf	50.0	345.0	0.3645173977751364	--
Senna alexandrina	Leaf	48.0	235.0	-0.11452671831303816	--
Basella alba	Leaf	48.0	695.0	1.88874867623751	--
Origanum majorana	Plant	48.0	52.0	-0.44555296413975976	USDA's Ag Handbook 8 and sequelae)
Moringa oleifera	Shoot	45.0	215.0	0.25672153528088315	USDA's Ag Handbook 8 and sequelae)
Larrea tridentata	Plant	45.0	138.0	0.02021349564795107	--
Perilla frutescens	Leaf	44.0	313.0	0.22515910945857653	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Lycium chinense	Leaf	44.0	428.0	0.7259779580962136	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Hibiscus sabdariffa	Leaf	41.0	555.0	1.2790561648525607	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Origanum vulgare	Plant	41.0	45.0	-0.48346418761085247	USDA's Ag Handbook 8 and sequelae)
Taraxacum officinale	Leaf	40.0	583.0	1.4009946671295506	--
Centella asiatica	Leaf	40.0	369.0	0.46903611401255635	--
Mentha x piperita	Leaf	35.0	238.0	-0.10146187878336067	--
Chenopodium ambrosioides	Leaf	35.0	165.0	-0.41937297400551293	--
Allium schoenoprasum	Leaf	34.0	475.0	0.930660444061161	--
Piper auritum	Leaf	34.0	193.0	-0.297434471728523	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Malva sylvestris	Leaf	33.0	390.0	0.5604899907202987	--
Corchorus olitorius	Leaf	33.0	495.0	1.017759374259011	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Xanthosoma sagittifolium	Leaf	33.0	327.0	0.2861283605970715	--
Phaseolus vulgaris	Leaf	32.4	245.5	-0.06879977995916696	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Chrysanthemum coronarium	Leaf	32.0	485.0	0.9742099091600859	--
Mimulus glabratus	Shoot	32.0	326.0	0.7633830362035298	--
Coriandrum sativum	Leaf	29.0	228.0	-0.14501134388228565	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Brassica nigra	Leaf	29.0	475.0	0.930660444061161	USDA's Ag Handbook 8 and sequelae)
Medicago sativa	Plant	28.0	149.0	0.07978827538823967	--
Ipomoea aquatica	Leaf	28.0	500.0	1.0395341068084734	--
Nasturtium officinale	Herb	28.0	560.0	-1.0	--
Justicia pectoralis	Leaf	27.0	178.0	-0.3627586693769105	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Daucus carota	Root	27.0	673.0	3.866900727382954	--
Camellia sinensis	Leaf	27.0	84.0	-0.7721236413068051	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Armoracia rusticana	Root	27.0	150.0	0.5227136521125912	--
Tetragonia tetragonioides	Leaf	26.4	440.0	0.7782373162149235	--
Allium ampeloprasum	Flower	25.0	151.0	1.7145235700805992	--
Borago officinalis	Leaf	25.0	360.0	0.42984159542352385	USDA's Ag Handbook 8 and sequelae)
Peperomia pelucida	Leaf	25.0	320.0	0.255643735027824	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Capsicum annuum	Fruit	25.0	95.0	0.032832659233001486	--
Raphanus sativus	Leaf	24.7	214.0	-0.2059805950207806	--
Thymus vulgaris	Plant	24.0	25.0	-0.5917819689568318	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Trigonella foenum-graecum	Leaf	23.0	278.0	0.07273598161233917	--
Erythrina fusca	Leaf	23.0	125.0	-0.5935708344012127	--
Eriodictyon californicum	Leaf	21.0	96.0	-0.7198642831880951	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Foeniculum vulgare	Plant	21.0	241.0	0.5780500695797443	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Artemisia vulgaris	Leaf	21.0	168.0	-0.4063081344758354	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Coffea arabica	Leaf	20.0	25.0	-1.0290654853904624	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Lepidium sativum	Leaf	20.0	526.0	1.1527627160656782	--
Arctostaphylos uva-ursi	Leaf	20.0	172.0	-0.3888883484362654	--
Brassica oleracea var. viridis l.	Leaf	20.0	328.0	0.29048330710696396	--
Rosmarinus officinalis	Plant	19.0	21.0	-0.6134455252260276	--
Urtica dioica	Leaf	19.0	94.0	-0.7285741762078801	--
Verbascum thapsus	Leaf	19.0	43.0	-0.9506764482123975	--
Rubus idaeus	Leaf	19.0	114.0	-0.6414752460100303	--
Piper betel	Leaf	19.0	175.0	-0.37582350890658794	--
Cnicus benedictus	Plant	18.0	133.0	-0.006865949688543744	--
Colocasia esculenta	Leaf	18.0	298.0	0.1598349118101891	--
Moringa oleifera	Leaf	18.0	72.0	-0.8243829994255151	--
Brassica chinensis	Leaf	18.0	385.0	0.5387152581708363	--
Brassica rapa	Leaf	18.0	385.0	0.5387152581708363	USDA's Ag Handbook 8 and sequelae)
Pereskia aculeata	Fruit	17.0	556.0	0.9239373532923459	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Rosa gallica	Flower	16.0	17.0	-0.3594656728966096	--
Avena sativa	Plant	16.0	72.0	-0.3372351827937805	--
Coccinia grandis	Fruit	15.6	226.0	0.28605329897654624	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Turnera diffusa	Leaf	15.0	71.0	-0.8287379459354075	--
Rosmarinus officinalis	Leaf	15.0	55.0	-0.8984170900936875	USDA's Ag Handbook 8 and sequelae)

Plant	Part	Low PPM	High PPM	StdDev	Reference
Alpinia galanga	Rhizome	15.0	108.0	1.413458979716062	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Sonchus oleraceus	Leaf	14.0	545.0	1.2355066997536357	--
Manihot esculenta	Root	14.0	150.0	0.5227136521125912	--
Carthamus tinctorius	Flower	13.0	90.0	0.770394138576049	--
Frangula purshiana	Bark	13.0	46.0	2.1374028017190314	--
Prunus armeniaca	Fruit	13.0	189.0	0.21453296561386564	--
Taraxacum officinale	Root	12.0	84.0	0.10069386823526054	--
Cucurbita pepo	Flower	12.0	240.0	3.0920238881774016	--
Symphytum officinale	Leaf	12.0	108.0	-0.6676049250693852	--
Allium cepa	Leaf	12.0	158.0	-0.4498575995747604	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Pachira macrocarpa	Seed	12.0	13.0	0.38331184418151215	--
Petroselinum crispum	Plant	12.0	154.0	0.10686772072473448	--
Sechium edule	Shoot	12.0	164.0	0.02393111593804544	--
Lactuca sativa	Leaf	11.0	190.0	-0.3104993112582005	--
Arctium lappa	Root	11.0	45.0	-0.148681458601344	--
Equisetum arvense	Plant	11.0	49.0	-0.4618006313416566	--
Mangifera indica	Fruit	11.0	96.0	0.03476564121577664	--
Euphrasia officinalis	Plant	11.0	73.0	-0.3318192937264815	--
Portulaca oleracea	Herb	11.0	4650.0	1.0	--
Rumex crispus	Leaf	10.38	140.0	-0.5282466367528253	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Plectranthus amboinicus	Leaf	10.0	175.0	-0.37582350890658794	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Quararibea cordata	Fruit	10.0	72.0	-0.011625926370826973	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
<i>Urtica dioica</i>	Seed	10.0	25.0	1.1334230048701306	Blaschek, W., Hansel, R., Keller, K., Reichling, J., Rimpler, H., and Schneider, G. eds. 1998. Hager's Handbuch der Pharmazeutischen Praxis, Auflage Band 2 (A-K), 909 pp., (L-Z), 858 pp. Springer-Verlag, Berlin.
<i>Cucurbita pepo</i>	Fruit	9.6	114.0	0.06955931690572935	USDA's Ag Handbook 8 and sequelae)
<i>Cichorium endivia</i>	Leaf	9.6	241.0	-0.0883970392536832	--
<i>Brassica oleracea</i> var. <i>botrytis</i> l.	Leaf	9.0	138.0	-0.5369565297726103	--
<i>Gentiana lutea</i>	Root	9.0	39.0	-0.18704689349928313	--
<i>Allium sativum</i> var. <i>sativum</i>	Leaf	9.0	68.0	-0.841802785465085	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Brassica oleracea</i> var. <i>italica</i>	Leaf	9.0	138.0	-0.5369565297726103	--
<i>Schisandra chinensis</i>	Fruit	9.0	61.0	-0.03288872818135363	--
<i>Eugenia uniflora</i>	Fruit	9.0	101.0	0.04443055112965239	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Ephedra sinica</i>	Plant	8.0	37.0	-0.5267913001492441	--
<i>Rosa canina</i>	Fruit	8.0	42.0	-0.06961538585408149	--
<i>Smilax</i> spp	Root	8.0	36.0	-0.20622961094825273	--
<i>Apium graveolens</i>	Fruit	8.0	36.0	-0.0812132777507324	--
<i>Smilax officinalis</i>	Root	8.0	36.0	-0.20622961094825273	--
<i>Anacardium occidentale</i>	Fruit	7.6	53.0	-0.04835258404355484	--
<i>Apium graveolens</i>	Seed	7.5	36.0	1.8210249021680307	--
<i>Ginkgo biloba</i>	Leaf	7.2	30.0	-1.007290752841	--
<i>Parthenium integrifolium</i>	Root	7.0	42.0	-0.16786417605031356	--
<i>Lycopersicon esculentum</i>	Fruit	7.0	113.0	0.0676263349229542	--
<i>Perilla frutescens</i>	Seed	7.0	66.0	3.696302803889577	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Silybum marianum</i>	Leaf	7.0	31.0	-1.0029358063311073	--
<i>Dioscorea villosa</i>	Root	7.0	29.0	-0.2509892849958484	--
<i>Asparagus officinalis</i>	Root	6.5	65.0	-0.020796675608213463	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Murraya sp	Fruit	6.0	21.0	-0.11020800749235965	--
Gymnema sylvestre	Leaf	6.0	30.0	-1.007290752841	--
Eleutherococcus senticosus	Root	6.0	30.0	-0.24459504584619188	--
Mangifera indica	Leaf	6.0	44.0	-0.946321501702505	--
Musa x paradisiaca	Fruit	6.0	21.0	-0.11020800749235965	USDA's Ag Handbook 8 and sequelae)
Lobelia inflata	Leaf	6.0	54.0	-0.90277203660358	--
Curcuma longa	Plant	6.0	18.0	-0.6296931924279244	--
Salvia officinalis	Leaf	6.0	39.0	-0.9680962342519674	--
Anacardium occidentale	Leaf	6.0	20.0	-1.0508402179399248	--
Blighia sapida	Aril	5.5	18.0	1.0	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Elaeagnus umbellatus	Fruit	5.5	30.0	-0.0928111696473833	--
Erythroxylum coca	Leaf	5.4	7.0	-1.1074545225685273	--
Passiflora incarnata	Flower	5.3	48.0	0.12033780868766998	--
Brosimum alicastrum	Fruit	5.0	35.0	-0.08314625973350755	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Cuminum cyminum	Fruit	5.0	8.0	-0.1353367732684366	--
Fucus vesiculosus	Plant	5.0	40.0	-0.5105436329473473	--
Plantago psyllium	Seed	5.0	24.0	1.0709137414794123	--
Cimicifuga racemosa	Root	5.0	24.0	-0.28296048074413105	--
Cuminum cyminum	Seed	5.0	8.0	0.07076552722792115	--
Brassica oleracea var. gemmifera	Leaf	5.0	41.0	-0.9593863412321825	USDA's Ag Handbook 8 and sequelae)
Glycine max	Fruit	4.1	13.4	-0.12489867056145085	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Juniperus communis	Fruit	4.0	12.2	-0.1272182489407809	--
Bupleurum chinense	Root	4.0	36.0	-0.20622961094825273	--
Passiflora edulis	Fruit	4.0	17.0	-0.11793993542346026	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Spinacia oleracea</i>	Plant	4.0	690.0	3.0097842607969785	--
<i>Stellaria media</i>	Plant	4.0	43.0	-0.4942959657454504	--
<i>Thymus vulgaris</i>	Leaf	4.0	25.0	-1.0290654853904624	--
<i>Ocimum basilicum</i>	Leaf	4.0	333.0	0.31225803965642646	--
<i>Solanum torvum</i>	Fruit	4.0	27.0	-0.09861011559570874	--
<i>Vaccinium myrtillus</i>	Fruit	4.0	47.0	-0.059950475940205736	--
<i>Ruscus aculeatus</i>	Root	4.0	13.0	-0.35329711139035286	--
<i>Ulmus rubra</i>	Bark	4.0	25.0	0.7778259438536158	--
<i>Sambucus canadensis</i>	Fruit	4.0	18.0	-0.11600695344068511	USDA's Ag Handbook 8 and sequelae)
<i>Pisum sativum</i>	Seed	3.6	18.2	0.708360013813247	--
<i>Nepeta cataria</i>	Plant	3.0	24.0	-0.5971978580241307	--
<i>Hippophae rhamnoides</i>	Fruit	3.0	80.0	0.0038379294913742307	--
<i>Serenoa repens</i>	Fruit	3.0	24.0	-0.1044090615440342	--
<i>Malpighia glabra</i>	Fruit	3.0	69.0	-0.017424872319152424	--
<i>Artocarpus altilis</i>	Seed	3.0	6.0	-0.05425299955351525	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Cyphomandra betacea</i>	Fruit	3.0	32.0	-0.08894520568183299	--
<i>Annona glabra</i>	Fruit	3.0	23.0	-0.10634204352680936	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Polymnia edulis</i>	Root	2.6	10.0	-0.3724798288393224	--
<i>Capsella bursa-pastoris</i>	Plant	2.6	22.0	-0.6080296361587286	--
<i>Scutellaria lateriflora</i>	Plant	2.6	19.0	-0.6242773033606255	--
<i>Caulophyllum thalictroides</i>	Root	2.6	24.0	-0.28296048074413105	--
<i>Eriobotrya japonica</i>	Fruit	2.6	68.0	-0.019357854301927577	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Chrysanthemum parthenium</i>	Leaf	2.5	14.0	-1.0769698969992798	--
<i>Phaseolus vulgaris</i>	Fruit	2.2	66.0	-0.023223818267477877	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Plant	Part	Low PPM	High PPM	StdDev	Reference
Vicia faba	Seed	2.1	11.0	0.2582933174000758	USDA's Ag Handbook 8 and sequelae)
Citrullus lanatus	Fruit	2.0	48.0	-0.05801749395743059	--
Cucurbita pepo	Seed	2.0	2.5	-0.27303542142102893	--
Erythrina berteroana	Shoot	2.0	14.0	-0.6607465880114773	--
Syzygium aromaticum	Bark	2.0	3.0	-0.6464926691482484	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Tamarindus indica	Leaf	2.0	110.0	-0.6588950320496002	--
Artemisia dracunculus	Leaf	2.0	74.0	-0.8156731064057301	--
Allium sativum var. sativum	Shoot	2.0	9.0	-0.6835691781431281	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Mentha spicata	Leaf	2.0	175.0	-0.37582350890658794	--
Perideridia gairdneri	Root	2.0	5.0	-0.40445102458760507	Izadoost, M. & Robinson, T., Synergism & antagonism in the pharmacology of alkaloidal plants, pp 137-58 in Craker, L. & Simon, J., eds., Herbs, Spices & Medicinal Plants: Recent Advances in Botany, Horticulture & Pharmacology, v. 2, 1987, 255pp.
Diospyros digyna	Fruit	2.0	6.0	-0.1392027372339869	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Spondias dulcis	Fruit	2.0	16.0	-0.1198729174062354	--
Trifolium pratense	Flower	2.0	12.0	-0.43685333121665465	--
Pouteria caimito	Fruit	2.0	29.0	-0.09474415163015845	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Pouteria campechiana	Fruit	2.0	29.0	-0.09474415163015845	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Spondias pinnata	Fruit	2.0	28.0	-0.0966771336129336	--
Theobroma bicolor	Fruit	1.9	9.0	-0.13340379128566146	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Ipomoea batatas	Leaf	1.8	345.0	0.3645173977751364	--
Olea europaea	Fruit	1.8	8.3	-0.13475687867360414	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Plant	Part	Low PPM	High PPM	StdDev	Reference
Licania platypus	Fruit	1.6	7.7	-0.13591666786326906	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Vigna unguiculata	Fruit	1.5	72.0	-0.011625926370826973	USDA's Ag Handbook 8 and sequelae)
Solanum sessiliflorum	Fruit	1.4	14.0	-0.12373888137178571	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Syzygium jambos	Fruit	1.4	8.5	-0.13437028227704903	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Crataegus laevigata	Fruit	1.4	5.0	-0.14113571921676207	--
Prunus domestica	Fruit	1.4	43.0	-0.06768240387130633	--
Pistacia vera	Seed	1.38	1.46	-0.33804505534737583	--
Lupinus mutabilis	Seed	1.3	1.5	-0.33554468481174715	--
Luffa aegyptiaca	Fruit	1.2	34.0	-0.0850792417162827	--
Arracacia xanthorrhiza	Root	1.1	3.8	-0.4121241115671928	--
Cinnamomum verum	Bark	1.0	2.0	-0.7112344242846967	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Citrus sinensis	Fruit	1.0	28.0	-0.0966771336129336	--
Hibiscus sabdariffa	Flower	1.0	9.0	-0.4832859262086817	--
Prunus cerasus	Fruit	1.0	6.0	-0.1392027372339869	--
Solanum nigrum	Leaf	1.0	110.0	-0.6588950320496002	--
Sicana odorifera	Fruit	1.0	8.0	-0.1353367732684366	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Juglans nigra	Seed	1.0	2.0	-0.30429005311638807	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Citrus reticulata	Fruit	1.0	44.0	-0.0657494218885312	--
Solanum quitoensis	Fruit	1.0	16.0	-0.1198729174062354	--
Cynara cardunculus	Flower	1.0	20.0	-0.3130330779045825	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Trichosanthes anguina	Fruit	1.0	18.0	-0.11600695344068511	--
Apium graveolens	Pt	1.0	144.0	1.4105317625651812	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Ribes nigrum	Fruit	1.0	8.0	-0.1353367732684366	USDA's Ag Handbook 8 and sequelae)
Morus alba	Fruit	1.0	8.0	-0.1353367732684366	--
Ginkgo biloba	Seed	1.0	4.0	-0.17927152633495164	--
Cinnamomum aromaticum	Bark	1.0	2.0	-0.7112344242846967	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Citrus aurantium	Fruit	1.0	27.0	-0.09861011559570874	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Spondias mombin	Fruit	1.0	115.0	0.0714922988885045	--
Phoenix dactylifera	Fruit	1.0	3.6	-0.14384189399264724	--
Capsicum frutescens	Fruit	1.0	38.0	-0.0773473137851821	--
Bixa orellana	Fruit	0.9	113.0	0.0676263349229542	--
Vigna radiata	Seed	0.9	1.2	-0.35429746382896243	USDA's Ag Handbook 8 and sequelae)
Cajanus cajan	Seed	0.84	4.6	-0.14176596830052063	--
Tabebuia heptaphylla	Bark	0.8	4.3	-0.5623283874708657	--
Pisum sativum	Fruit	0.8	8.3	-0.13475687867360414	--
Hydrastis canadensis	Root	0.8	3.0	-0.4172395028869181	--
Psophocarpus tetragonolobus	Seed	0.78	6.0	-0.05425299955351525	--
Psidium guajava	Fruit	0.75	46.0	-0.06188345792298089	--
Vigna unguiculata	Shoot	0.7	6.9	-0.6931546659984213	--
Gliricidia sepium	Flower	0.7	5.0	-0.5451960528647178	--
Vigna unguiculata	Shoot	0.7	6.9	-0.6931546659984213	USDA's Ag Handbook 8 and sequelae)
Chrysobalanus icaco	Fruit	0.7	5.0	-0.14113571921676207	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Lablab purpureus	Seed	0.66	5.44	-0.08925818705231736	--
Spondias purpurea	Fruit	0.6	9.0	-0.13340379128566146	--
Carica pentagona	Fruit	0.6	9.0	-0.13340379128566146	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Brassica oleracea var. capitata l.	Leaf	0.6	12.0	-1.085679790019065	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Ribes uva-crispa	Fruit	0.6	14.0	-0.12373888137178571	--
Allium sativum var. sativum	Flower	0.6	5.0	-0.5451960528647178	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Musa x paradisiaca	Hull Husk	0.6	16.6	0.29354442394364944	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Vaccinium corymbosum	Fruit	0.6	3.9	-0.14326199939781478	--
Rheum rhabarbarum	Pt	0.6	12.0	-0.6169476493252427	--
Echinacea purpurea	Root	0.6	2.2	-0.4223548942066434	--
Pouteria viridis	Fruit	0.5	1.6	-0.14770785795819752	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Physalis ixocarpa	Fruit	0.5	6.0	-0.1392027372339869	--
Vitis vinifera	Fruit	0.5	2.1	-0.14674136696680995	--
Aegle marmelos	Fruit	0.5	1.3	-0.1482877525530302	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Humulus lupulus	Flower	0.5	2.4	-0.5854376351911411	--
Zea mays	Seed	0.5	2.5	-0.27303542142102893	--
Bactris gasipaes	Fruit	0.5	55.0	-0.04448662007800453	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Actinidia chinensis	Fruit	0.4	6.0	-0.1392027372339869	--
Cajanus cajan	Fruit	0.4	4.0	-0.1430687011995372	--
Cicer arietinum	Seed	0.4	0.5	-0.39805394820246537	USDA's Ag Handbook 8 and sequelae)
Mammea americana	Fruit	0.4	24.0	-0.1044090615440342	--
Eugenia brasiliensis	Fruit	0.4	2.4	-0.1461614723719775	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Asimina triloba	Fruit	0.4	2.5	-0.14596817417369995	--
Averrhoa bilimbi	Fruit	0.35	14.0	-0.12373888137178571	--
Tropaeolum tuberosum	Root	0.3	2.1	-0.422994318121609	--
Raphanus sativus	Fruit	0.3	26.2	-0.10015650118192879	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Cyclanthera pedata</i>	Fruit	0.3	82.0	0.007703893456924532	--
<i>Casimiroa edulis</i>	Fruit	0.3	2.4	-0.1461614723719775	--
<i>Angelica sinensis</i>	Root	0.3	1.2	-0.42874913335629994	--
<i>Vigna unguiculata</i>	Seed	0.3	21.9	0.939644288358904	USDA's Ag Handbook 8 and sequelae)
<i>Phaseolus lunatus</i>	Sprout Seedling	0.3	0.8	-0.4606140559060844	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Asparagus officinalis</i>	Shoot	0.3	120.0	-0.17690767722048123	--
<i>Cucumis sativus</i>	Fruit	0.3	8.0	-0.1353367732684366	--
<i>Lens culinaris</i>	Sprout Seedling	0.3	1.0	-0.29001625742234954	USDA's Ag Handbook 8 and sequelae)
<i>Ficus carica</i>	Fruit	0.3	16.0	-0.1198729174062354	--
<i>Lupinus mutabilis</i>	Fruit	0.3	1.0	-0.14886764714786266	--
<i>Persea americana</i>	Fruit	0.3	27.0	-0.09861011559570874	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Rheum rhabarbarum</i>	Leaf	0.3	5.0	-1.1161644155883124	--
<i>Ribes rubrum</i>	Fruit	0.25	4.0	-0.1430687011995372	--
<i>Brassica oleracea</i>	Stem	0.24	2.67	-0.848867975828728	--
<i>Canavalia ensiformis</i>	Fruit	0.24	2.2	-0.1465480687685324	--
<i>Artocarpus heterophyllus</i>	Fruit	0.2	8.0	-0.1353367732684366	--
<i>Passiflora quadrangularis</i>	Seed	0.2	1.0	-0.36679931650710623	--
<i>Vaccinium macrocarpon</i>	Fruit	0.2	2.6	-0.14577487597542238	--
<i>Pastinaca sativa</i>	Root	0.2	1.0	-0.43002798118623115	--
<i>Vigna mungo</i>	Seed	0.2	0.5	-0.39805394820246537	--
<i>Allium ampeloprasum</i>	Leaf	0.2	230.0	-0.13630145086250064	--
<i>Allium ampeloprasum</i>	Root	0.2	1.8	-0.4249125898665059	--
<i>Elaeagnus commutata</i>	Fruit	0.2	1.4	-0.14809445435475266	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Zizyphus jujuba</i>	Fruit	0.2	700.0	1.2022867588119677	--
<i>Aloe spp.</i>	Leaf	0.2	31.0	-1.0029358063311073	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Glycine max	Sprout Seedling	0.2	3.5	1.8424562236243391	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Manilkara zapota	Fruit	0.2	1.0	-0.14886764714786266	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Cucumis melo	Fruit	0.2	201.0	0.23772874940716746	USDA's Ag Handbook 8 and sequelae)
Melicoccus bijugatas	Fruit	0.2	14.0	-0.12373888137178571	--
Pyrus communis	Fruit	0.17	1.7	-0.14751455975991998	--
Physalis peruviana	Fruit	0.14	84.0	0.011569857422474832	--
Carya illinoensis	Seed	0.13	0.83	-0.3774258912835282	--
Cucurbita spp	Fruit	0.12	1.9	-0.14712796336336506	--
Piper nigrum	Fruit	0.114	0.128	-0.1505532074368425	--
Foeniculum vulgare	Seed	0.1	0.9	-0.37305024284617794	--
Ipomoea batatas	Root	0.1	476.0	2.607235614900618	--
Vigna angularis	Seed	0.1	0.9	-0.37305024284617794	--
Pinus cembroides	Seed	0.1	0.2	-0.41680672721968065	USDA's Ag Handbook 8 and sequelae)
Vicia faba	Fruit	0.1	0.6	-0.1496408399409727	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Durio zibethinus	Fruit	0.1	1.0	-0.14886764714786266	--
Phaseolus vulgaris	Seed	0.1	9.8	0.18328220133121417	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Canna indica	Root	0.1	0.3	-0.4345039485909906	--
Vigna radiata	Sprout Seedling	0.1	1.4	0.05117933954512095	USDA's Ag Handbook 8 and sequelae)
Allium sativum var. sativum	Root	0.1	0.2	-0.4351433725059564	--
Zingiber officinale	Root	0.1	1.0	-0.43002798118623115	--
Fragaria spp	Fruit	0.089	7.0	-0.13726975525121177	--
Opuntia ficus-indica	Fruit	0.08	0.09	-0.150626660752188	Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Medicago sativa	Leaf	0.06	394.0	0.5779097767598688	--
Nelumbo nucifera	Seed	0.06	0.18	-0.41805691248749494	--
Rubus idaeus	Fruit	0.06	7.0	-0.13726975525121177	--
Prunus salicifolia	Fruit	0.05	7.0	-0.13726975525121177	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Hylocereus guatemalensis	Fruit	0.05	0.7	-0.14944754174269512	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Artocarpus altilis	Fruit	0.04	0.1	-0.15060733093236026	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Averrhoa carambola	Fruit	0.03	75.0	-0.005826980422501522	--
Petasites japonicus	Pt	0.03	0.5	-0.7935841132399388	USDA's Ag Handbook 8 and sequelae)
Persea schiedeana	Fruit	0.03	1.4	-0.14809445435475266	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Byrsonima crassifolia	Fruit	0.02	2.8	-0.1453882795788675	--
Annona muricata	Fruit	0.0	0.6	-0.1496408399409727	--
Muntingia calabura	Fruit	0.0	1.2	-0.14848105075130755	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Triticum aestivum	Seed	0.0	0.22	-0.4155565419518663	--
Raphanus sativus	Root	0.0	1.0	-0.43002798118623115	--
Malus domestica	Fruit	0.0	76.0	-0.0038939984397263717	--
Cyrtosperma chamissonis	Root	0.0	0.2	-0.4351433725059564	--
Cydonia oblonga	Fruit	0.0	16.0	-0.1198729174062354	--
Corylus avellana	Seed	0.0	0.4	-0.404304874541537	--
Prunus dulcis	Seed	0.0	0.05	-0.4261831167282885	USDA's Ag Handbook 8 and sequelae)
Arachis hypogaea	Seed	0.0	0.34	-0.40805543034498004	--
Colocasia esculenta	Root	0.0	0.8	-0.4313068290161624	--
Citrus paradisi	Fruit	0.0	5.0	-0.14113571921676207	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Annona reticulata</i>	Fruit	0.0	0.2	-0.1504140327340827	--
<i>Tamarindus indica</i>	Fruit	0.0	1.0	-0.14886764714786266	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Citrus limon</i>	Fruit	0.0	2.0	-0.14693466516508752	--
<i>Dioscorea alata</i>	Root	0.0	0.2	-0.4351433725059564	--
<i>Allium cepa</i>	Bulb	0.0	52.0	0.9999999999999998	--
<i>Tragopogon porrifolius</i>	Root	0.0	0.268	-0.43470856424377974	--
<i>Phaseolus lunatus</i>	Seed	0.0	9.8	0.18328220133121417	USDA's Ag Handbook 8 and sequelae)
<i>Psoralea esculenta</i>	Root	0.0	1.0	-0.43002798118623115	Izadoost, M. & Robinson, T., Synergism & antagonism in the pharmacology of alkaloidal plants, pp 137-58 in Craker, L. & Simon, J., eds., Herbs, Spices & Medicinal Plants: Recent Advances in Botany, Horticulture & Pharmacology, v. 2, 1987, 255pp.
<i>Bromelia pinguin</i>	Shoot	0.0	1.7	-0.7168901597353382	--
<i>Amorphophallus campanulatus</i>	Root	0.0	6.8	-0.3929413941182232	--
<i>Beta vulgaris</i>	Root	0.0	438.0	2.3642545272136704	--
<i>Syzygium cumini</i>	Fruit	0.0	3.0	-0.14500168318231235	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Amaranthus</i> sp.	Leaf	0.0	508.0	1.0743736788876133	--
<i>Allium sativum</i> var. <i>sativum</i>	Bulb	0.0	0.17	-1.0	--
<i>Foeniculum vulgare</i>	Fruit	0.0	1.0	-0.14886764714786266	--
<i>Helianthus tuberosus</i>	Tuber	0.0	6.0	1.414212086777973	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Chrysophyllum cainito</i>	Fruit	0.0	0.9	-0.14906094534614023	--
<i>Passiflora ligularis</i>	Fruit	0.0	1.2	-0.14848105075130755	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
<i>Phyllanthus acidus</i>	Fruit	0.0	8.0	-0.1353367732684366	--
<i>Vigna subterranea</i>	Seed	0.0	0.11	-0.42243256092484527	--
<i>Annona squamosa</i>	Fruit	0.0	0.2	-0.1504140327340827	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Passiflora mollissima	Fruit	0.0	1.2	-0.14848105075130755	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Phyllanthus emblica	Fruit	0.0	4.0	-0.1430687011995372	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Helianthus annuus	Seed	0.0	0.3	-0.41055580088060895	USDA's Ag Handbook 8 and sequelae)
Juglans regia	Seed	0.0	1.0	-0.36679931650710623	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Syzygium malaccense	Fruit	0.0	0.08	-0.15064599057201572	--
Linum usitatissimum	Seed	0.0	0.321	-0.4092431063494038	--
Citrus aurantiifolia	Fruit	0.0	2.0	-0.14693466516508752	--
Oxalis tuberosa	Root	0.0	0.2	-0.4351433725059564	--
Benincasa hispida	Fruit	0.0	2.5	-0.14596817417369995	--
Ananas comosus	Fruit	0.0	3.0	-0.14500168318231235	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Ullucus tuberosus	Root	0.0	0.7	-0.4319462529311282	--
Zingiber officinale	Rhizome	0.0	4.0	-0.6667259338283312	--
Glycine max	Seed	0.0	11.3	0.2770460964172915	--
Canavalia ensiformis	Seed	0.0	0.2	-0.41680672721968065	--
Annona cherimola	Fruit	0.0	0.2	-0.1504140327340827	--
Solanum melongena	Fruit	0.0	6.0	-0.1392027372339869	--
Annona diversifolia	Fruit	0.0	0.4	-0.1500274363375278	--
Prunus persica	Fruit	0.0	30.0	-0.0928111696473833	--
Xanthosoma sagittifolium	Root	0.0	0.6	-0.4325856768460938	--
Anacardium occidentale	Seed	0.0	0.6	-0.39180302186339344	--
Hordeum vulgare	Seed	0.0	1.0	-0.36679931650710623	Jim Duke's personal files.*
Psidium cattleianum	Fruit	0.0	9.0	-0.13340379128566146	--
Cannabis sativa	Seed	0.0	0.06	-0.4255580240943812	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Plant	Part	Low PPM	High PPM	StdDev	Reference
Cichorium intybus	Leaf	0.0	228.0	-0.14501134388228565	USDA's Ag Handbook 8 and sequelae)
Morinda citrifolia	Bark		8.6	-0.28393884038413764	--
Juglans nigra	Pericarp		0.6		--
Morinda citrifolia	Fruit		5.2	-0.14074912282020693	--
Bertholletia excelsa	Seed		0.0	-0.42930857989782434	USDA's Ag Handbook 8 and sequelae)
Spirulina spp.	Plant		480.0	1.872447556664196	--
Astragalus membranaceus	Root				--
Cycas revoluta	Fruit				--
Humulus lupulus	Fruit		2.4	-0.1461614723719775	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Yucca baccata	Root				--
Ocimum tenuiflorum	Leaf		25.0	-1.0290654853904624	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Phaseolus coccineus	Fruit		0.15	-0.15051068183322158	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Aleurites moluccana	Seed		0.0	-0.42930857989782434	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Crocus sativus	Silk Stigma Style				--
Phaseolus coccineus	Seed		0.1	-0.4230576535587525	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Lycopodium selago	Plant				--
Myrciaria cauliflora	Fruit		0.0	-0.15080062913063783	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Aloe vera	Leaf		3.0	-1.1248743086080972	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Carica papaya	Seed Oil				Jim Duke's personal files.
Carica papaya	Pericarp				Jim Duke's personal files.
Sambucus nigra	Leaf		150.0	-0.48469717165390036	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Valeriana officinalis	Root				--
Vaccinium vitis-idaea	Plant				--
Momordica charantia	Fruit		18.0	-0.11600695344068511	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Garcinia mangostana	Fruit		0.0	-0.15080062913063783	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Carum carvi	Fruit		2.0	-0.14693466516508752	--
Brassica rapa	Root				--
Stachys officinalis	Plant				--
Althaea officinalis	Root				--
Coriandrum sativum	Seed		0.0	-0.42930857989782434	--
Berberis vulgaris	Bark				--
Vigna aconitifolia	Seed		0.2	-0.41680672721968065	--
Myrciaria dubia	Fruit		0.0	-0.15080062913063783	--
Catha edulis	Leaf		18.0	-1.0595501109597099	--
Acacia decurrens	Plant				--
Eugenia floribunda	Fruit		0.0	-0.15080062913063783	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Pinus sylvestris	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Juglans nigra	Hull Husk		0.6	-1.3448430585325335	--
Passiflora quadrangularis	Fruit				--
Juglans nigra	Fruit		0.6	-0.1496408399409727	--
Plantago psyllium	Hull Husk		24.0	1.0512986345888835	--
Chrysanthemum parthenium	Plant		14.0	-0.6513567486971203	--
Moringa oleifera	Seed		100.0	5.8216177591739955	--
Viburnum opulus	Fruit		6400.0	12.220284060630327	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Terminalia catappa	Fruit		1.8	-0.14732126156164263	Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
Hylocereus undatus	Fruit		0.0	-0.15080062913063783	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Salix alba	Bark				--
Terminalia catappa	Seed		0.0	-0.42930857989782434	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Tamarindus indica	Flower		10.0	-0.4678083945446727	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Eupatorium perfoliatum	Plant				--
Trigonella foenum-graecum	Seed		0.2	-0.41680672721968065	--
Allium cepa	Flower		28.0	-0.18921282459251038	--
Inga edulis	Seed		0.0	-0.42930857989782434	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Phragmites australis	Shoot		50.0	-0.49642393906359183	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Ginkgo biloba	Tissue Culture				Jim Duke's personal files.
Papaver somniferum	Seed				--
Artemisia absinthium	Leaf		500.0	1.0395341068084734	--
Valeriana officinalis	Plant				--
Inga feuillei	Aril		0.0	-1.0	J Cell Biochem VOL. 22=1995
Menyanthes trifoliata	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Theobroma cacao	Plant				--
Plantago major	Seed				--
Passiflora foetida	Fruit		0.0	-0.15080062913063783	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Plant	Part	Low PPM	High PPM	StdDev	Reference
Momordica charantia	Pericarp				Jim Duke's personal files.
Opuntia ficus-indica	Bud		0.3	-1.0	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
Maranta arundinacea	Root		0.0	-0.4364222203358877	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Vitis vinifera	Stem		43.0	-0.5551411085990826	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Macadamia spp	Seed		0.0	-0.42930857989782434	USDA's Ag Handbook 8 and sequelae)
Morinda citrifolia	Leaf		124.0	-0.5979257809111053	--
Brassica oleracea var. botrytis l.	Flower		4.0	-0.5606735845287268	--
Platycodon grandiflorum	Root				--
Rosa rubiginosa	Plant				--
Curcuma longa	Rhizome		0.0	-0.746733045887731	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Aloe vera	Stem Essent. Oil		7.2		Rowe, T. D., Parks, L. M. 1941. A Phytochemical Study of Aloe vera Leaf. J. Amer. Pharm. Ass. Sci. Ed., 30: 262-266.
Nelumbo nucifera	Rhizome				--
Pteridium aquilinum	Leaf		1.0	-1.1335842016278823	--
Silybum marianum	Plant		31.0	-0.559286634553038	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Lens culinaris	Seed		16.0	0.5708396343536667	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Citrus sinensis	Pericarp				Jim Duke's personal files.
Myrica cerifera	Bark				--
Calathea macrosepala	Flower		0.0	-0.6225837111847629	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Ocimum sanctum	Leaf		25.0	-1.0290654853904624	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
Amorphophallus konjac	Root				--
Brassica napus var. napobrassica	Root		0.0	-0.4364222203358877	USDA's Ag Handbook 8 and sequelae)
Eleocharis dulcis	Tuber		0.0	-0.7088752828636876	--
Panax ginseng	Root				--
Berberis vulgaris	Fruit				Jim Duke's personal files.
Prunus armeniaca	Seed		0.0	-0.42930857989782434	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Coix lacryma-jobi	Seed		0.0	-0.42930857989782434	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Dioscorea pentaphylla	Root				--
Taxus baccata	Fruit				--
Equisetum arvense	Sprout Seedling				Jim Duke's personal files.
Vigna unguiculata	Seed		0.3	-0.41055580088060895	USDA's Ag Handbook 8 and sequelae)
Pimenta dioica	Fruit		4.0	-0.1430687011995372	--
Actaea racemosa	Root		2.4	-0.421076046376712	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Harpagophytum procumbens	Root				--
Satureja hortensis	Plant		34.0	-0.5430389673511411	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Spirulina pratensis	Plant		478.0	1.8616157785295981	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Tanacetum parthenium	Plant		14.0	-0.6513567486971203	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Crataegus rhipidophylla	Fruit		5.4	-0.14036252642365205	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Hypericum perforatum	Shoot		12.1	-0.6694191722615046	--
Carica papaya	Fruit				--
Glycine max	Plant		0.3	-0.725554428919116	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Psophocarpus tetragonolobus	Fruit		4.0	-0.1430687011995372	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Cyamopsis tetragonoloba	Fruit		2.0	-0.14693466516508752	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Alocasia macrorrhiza	Root				--
Chamaemelum nobile	Flower		2.2	-0.588533141523943	--
Cyamopsis tetragonoloba	Shoot		11.0	-0.6744401420904678	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Lagenaria siceraria	Fruit				--
Quercus alba	Bark				--
Solanum tuberosum	Tuber		0.01	-0.7053368039142849	--
Medicago sativa	Flower				--
Frangula alnus	Fruit				--
Aglaonema commutatum	Fruit				Wealth of India.
Cola acuminata	Seed		1.0	-0.36679931650710623	--
Glycyrrhiza glabra	Root				--
Viscum album	Leaf				--
Glycyrrhiza glabra	Seed		5.0	-0.11676226294423345	--
Spinacia oleracea	Leaf		32.5	-0.9964033865662687	--
Dioscorea sp.	Root		19.0	-0.31493167649241366	--
Zea mays	Silk Stigma Style		0.0		--
Berberis vulgaris	Root		0.0	-0.4364222203358877	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Rhodymenia palmata	Plant				--
Pourouma cecropiaefolia	Fruit		0.0	-0.15080062913063783	J Cell Biochem VOL. 22=1995
Theobroma bicolor	Seed		0.0	-0.42930857989782434	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Glycine max	Seed Oil				--
Verbena officinalis	Leaf				--
Phaseolus vulgaris	Sprout Seedling		0.0	-1.1430052498410248	USDA's Ag Handbook 8 and sequelae)

Plant	Part	Low PPM	High PPM	StdDev	Reference
Pachyrhizus erosus	Tuber				--
Hydrangea arborescens	Root				--
Chondrus crispus	Plant		55.0	-0.42930529693786285	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Achillea millefolium	Plant				--
Tecoma stans	Flower				--
Inula helenium	Root				--
Iris x germanica	Leaf				--
Nicotiana tabacum	Leaf				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Tagetes erecta	Flower				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Petroselinum crispum	Shoot				--
Symphytum officinale	Root		660.0	3.7837756184374194	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Oryza sativa	Seed				--
Hordeum vulgare	Stem		312.0	1.4040090844278104	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Zizyphus spina-christi	Fruit				--
Acacia nilotica	Plant				--
Sesamum indicum	Seed				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Carum carvi	Seed		2.0	-0.30429005311638807	--
Taraxacum officinale	Flower				--
Polygonum multiflorum	Root		2.4	-0.421076046376712	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Stevia rebaudiana	Leaf		75.0	-0.8113181598958376	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Sinapis alba	Seed				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Crescentia alata	Seed		0.2	-0.41680672721968065	--
Echinacea spp	Root		2.2	-0.4223548942066434	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Areca catechu	Plant				--