

## Dr. Duke's Phytochemical and Ethnobotanical Databases

### List of Plants for ASH

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Juglans nigra</i>	Pericarp	3480.0	29000.0		--
<i>Phytelephas aequatorialis</i>	Mesocarp	18200.0	154295.0		KOZIOL & PEDERSEN. 1993. PHYTELEPHAS AEQUATORIALIS(ARECACEAE) IN HUMAN AND ANIMAL NUTRITION. ECON. BOT. 47:401-307.
<i>Asclepias syriaca</i>	Latex Exudate		12300.0		--
<i>Citrus mitis</i>	Fruit Juice	6200.0	62000.0		Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
<i>Cimicifuga racemosa</i>	Root				--
<i>Aloe</i> spp.	Leaf				--
<i>Quercus suber</i>	Cork	1000.0	40000.0		--
<i>Olea europaea</i>	Twig		85000.0		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Cinnamomum verum</i>	Bark		17000.0	-2.036112439574681	Wealth of India.
<i>Bacopa monnieri</i>	Shoot		19000.0	-1.9352705799474033	Wealth of India.
<i>Catha edulis</i>	Leaf		16000.0	-1.8121205514908252	--
<i>Aspalathus linearis</i>	Shoot		25000.0	-1.7963329752128847	--
<i>Chrysanthemum parthenium</i>	Leaf	3060.0	17000.0	-1.7945017791514293	--
<i>Alocasia macrorrhiza</i>	Leaf	8000.0	17700.0	-1.7821686385138522	--
<i>Allium sativum</i> var. <i>sativum</i>	Shoot	7000.0	31000.0	-1.6573953704783664	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Curcuma longa</i>	Plant	9920.0	32000.0	-1.6080997471982341	--
<i>Ulex europaeus</i>	Plant	16000.0	34000.0	-1.5719677816818372	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Mimosa hostilis</i>	Plant		34400.0	-1.564741388578558	--
<i>Gliricidia sepium</i>	Leaf	5000.0	33000.0	-1.5126014217210952	--
<i>Arctium lappa</i>	Leaf	8200.0	35600.0	-1.466792613638666	Wealth of India.
<i>Symphytum officinale</i>	Leaf	3960.0	36000.0	-1.4597451047029075	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Kalmia latifolia</i>	Leaf		36000.0	-1.4597451047029075	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Juncus effusus</i>	Leaf		36000.0	-1.4597451047029075	--
<i>Areca catechu</i>	Sprout Seedling		10000.0	-1.433018365784906	--
<i>Spirulina</i> spp.	Plant		43000.0	-1.4093739368580511	--
<i>Cymbopogon citratus</i>	Plant		43000.0	-1.4093739368580511	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Pinus echinata</i>	Shoot	17000.0	42000.0	-1.4026764284650826	--
<i>Cydonia oblonga</i>	Fruit		3000.0	-1.3896417146747917	--
<i>Anacardium occidentale</i>	Leaf	12000.0	40000.0	-1.3892700153453241	--
<i>Ocimum tenuiflorum</i>	Seed		2000.0	-1.379965080673079	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Ocimum sanctum</i>	Seed		2000.0	-1.379965080673079	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Abies spectabilis</i>	Leaf		40600.0	-1.3786987519416865	Wealth of India.
<i>Citrus aurantiifolia</i>	Fruit	2000.0	3800.0	-1.3689254367339239	--
<i>Platycodon grandiflorum</i>	Root	15000.0	20000.0	-1.3580644917304137	--
<i>Petasites japonicus</i>	Pt	14600.0	26545.0	-1.3494322568823325	USDA's Ag Handbook 8 and sequelae)
<i>Ilex paraguariensis</i>	Leaf		42500.0	-1.3452230844968343	--
<i>Hippophae rhamnoides</i>	Fruit		5000.0	-1.3378510198226223	Abstract (See species file)
<i>Physalis alkekengi</i>	Fruit		5000.0	-1.3378510198226223	--
<i>Dioscorea bulbifera</i>	Tuber	9000.0	31000.0	-1.3242795851928264	--
<i>Castanea sativa</i>	Leaf		44000.0	-1.3187949259877405	--
<i>Indigofera tinctoria</i>	Leaf		44000.0	-1.3187949259877405	--
<i>Lantana camara</i>	Stem		35000.0	-1.3037200433907317	--
<i>Musa x paradisiaca</i>	Flower		12000.0	-1.2890432035234691	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
Uncaria catechu	Plant	30000.0	50000.0	-1.2829120575506618	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Nepeta cataria	Plant	6000.0	50000.0	-1.2829120575506618	--
Sphenostylis stenocarpa	Root	8000.0	23000.0	-1.2723980274303555	--
Ginkgo biloba	Leaf	11520.0	48000.0	-1.248319836630157	--
Amorphophallus konjac	Root		24000.0	-1.243842539330336	--
Coriandrum sativum	Seed	6000.0	6600.0	-1.2416079828374493	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Lobelia inflata	Leaf	5537.0	49000.0	-1.2307010642907612	--
Sassafras albidum	Stem	11000.0	37000.0	-1.2199093116337867	--
Arctostaphylos uva-ursi	Leaf	5800.0	50000.0	-1.2130822919513653	--
Diospyros virginiana	Leaf		50000.0	-1.2130822919513653	--
Annona reticulata	Fruit	5000.0	11100.0	-1.1798894005235057	--
Pourouma cecropiaefolia	Fruit	2000.0	11110.0	-1.1796304470492447	J Cell Biochem VOL. 22=1995
Ephedra sinica	Plant	11760.0	56000.0	-1.174516161001471	--
Acacia farnesiana	Leaf	10000.0	53800.0	-1.146130957061661	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Viscum album	Leaf		54000.0	-1.1426072025937817	--
Cajanus cajan	Plant		58000.0	-1.138384195485074	--
Garcinia mangostana	Fruit	2000.0	13140.0	-1.1270628917742929	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Vaccinium corymbosum	Fruit	2070.0	13845.0	-1.1088066718389031	--
Hibiscus sabdariffa	Flower	2200.0	20000.0	-1.1066700142226569	--
Cyamopsis tetragonoloba	Fruit		14000.0	-1.1047928929878599	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Stachys officinalis	Plant	10080.0	60000.0	-1.102252229968677	--
Asparagus officinalis	Root	2900.0	29000.0	-1.101065098830239	--
Triticum aestivum	Seed	4000.0	12000.0	-1.0791887810304062	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Pastinaca sativa	Seed		12000.0	-1.0791887810304062	--
Phoradendron serotinum	Leaf		59000.0	-1.0545133408968024	--
Eugenia floribunda	Fruit	2000.0	16000.0	-1.0530021981356905	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Cydonia oblonga	Seed		13000.0	-1.0491111510661388	--
Ilex paraguariensis	Seed		13000.0	-1.0491111510661388	--
Silybum marianum	Plant		63000.0	-1.0480542816940817	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Alocasia macrorrhiza	Root	3000.0	30975.0	-1.0446680098327008	--
Arracacia xanthorrhiza	Root	9000.0	31150.0	-1.0396707994151975	--
Gymnema sylvestre	Leaf	11400.0	60000.0	-1.0368945685574065	--
Elaeis guineensis	Fruit	9000.0	17000.0	-1.027106850709606	--
Olea europaea	Leaf		61000.0	-1.0192757962180106	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Mauritia flexuosa	Fruit	8000.0	17390.0	-1.0170076652134328	J Cell Biochem VOL. 22=1995
Allium ampeloprasum	Flower	4000.0	24000.0	-1.0154834195722509	--
Piper methysticum	Root		32000.0	-1.0153986345301809	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Paullinia cupana	Seed		14200.0	-1.0130179951090181	Abstract (See species file)
Quercus phellos	Stem	14000.0	42000.0	-1.010382482241424	--
Arundo donax	Stem		42000.0	-1.010382482241424	--
Vaccinium vitis-idaea	Fruit	2500.0	18000.0	-1.0012115032835212	--
Astragalus gummifer	Gum	15000.0	30000.0	-1.0	--
Chrysanthemum coronarium	Bud	13400.0	180110.0	-1.0	--
Allium cepa	Bulb	4000.0	63000.0	-1.0	--
Inga feuillei	Aril	4000.0	25000.0	-1.0	J Cell Biochem VOL. 22=1995
Musa x paradisiaca	Pith		6000.0	-1.0	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
<i>Linum usitatissimum</i>	Hay	62000.0	72000.0	-1.0	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Zea mays</i>	Silk Stigma Style		33000.0	-1.0	--
<i>Portulaca oleracea</i>	Herb	14000.0	159090.0	-1.0	--
<i>Phytelephas macrocarpa</i>	Seed		15000.0	-0.9889558911376043	--
<i>Areca catechu</i>	Seed		15000.0	-0.9889558911376043	--
<i>Silybum marianum</i>	Leaf	13860.0	63000.0	-0.9840382515392189	--
<i>Eupatorium perfoliatum</i>	Plant	6030.0	67000.0	-0.9757903506612878	--
<i>Annona cherimola</i>	Seed	12000.0	15500.0	-0.9739170761554706	--
<i>Simmondsia chinensis</i>	Seed	14000.0	16000.0	-0.958878261173337	--
<i>Arctium lappa</i>	Root	7990.0	34000.0	-0.9582876583301422	--
<i>Manihot esculenta</i>	Root	5000.0	34300.0	-0.9497210119001364	--
<i>Ceratonia siliqua</i>	Fruit		20000.0	-0.9494208084313518	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Phragmites australis</i>	Rhizome		58000.0	-0.94046359156596	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Dioscorea sp.</i>	Root		35000.0	-0.9297321702301228	--
<i>Zingiber officinale</i>	Root	2450.0	35000.0	-0.9297321702301228	--
<i>Allium sativum var. sativum</i>	Root	12950.0	35000.0	-0.9297321702301228	--
<i>Macadamia spp</i>	Seed	12400.0	17000.0	-0.9288006312090696	--
<i>Carya illinoensis</i>	Seed	16000.0	17000.0	-0.9288006312090696	--
<i>Zizyphus jujuba</i>	Seed	13000.0	17000.0	-0.9288006312090696	--
<i>Dioscorea alata</i>	Root	7000.0	35045.0	-0.9284471732656219	--
<i>Nyssa sylvatica</i>	Stem	15000.0	44000.0	-0.9265717504844788	--
<i>Spartium junceum</i>	Stem		44000.0	-0.9265717504844788	--
<i>Morinda citrifolia</i>	Leaf	15000.0	67000.0	-0.9135631621816354	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Plant	Part	Low PPM	High PPM	StdDev	Reference
Cyrtosperma chamissonis	Root	5700.0	35925.0	-0.9033183437376048	--
Passiflora incarnata	Flower	3190.0	29000.0	-0.9015001762592432	--
Ipomoea batatas	Root	7000.0	36064.0	-0.8993491308917021	--
Cenchrus biflorus	Seed	16000.0	18000.0	-0.8987230012448024	--
Vitellaria paradoxa	Seed		18000.0	-0.8987230012448024	--
Phoenix dactylifera	Seed	8900.0	18000.0	-0.8987230012448024	--
Chrysophyllum cainito	Fruit	3000.0	22000.0	-0.8976301135791823	--
Carica papaya	Fruit	2970.0	22000.0	-0.8976301135791823	--
Asimina triloba	Fruit	6000.0	22000.0	-0.8976301135791823	--
Sassafras albidum	Leaf	33000.0	68000.0	-0.8959443898422395	--
Passiflora edulis	Seed		18400.0	-0.8866919492590954	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Pteridium aquilinum	Leaf	6000.0	68965.0	-0.8789422745347224	--
Maranta arundinacea	Root	9000.0	37000.0	-0.872621194030084	--
Pouteria campechiana	Fruit	6000.0	23000.0	-0.8717347661530976	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Mammea americana	Fruit	1700.0	23070.0	-0.8699220918332717	--
Bactris gasipaes	Seed		19000.0	-0.8686453712805351	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Mentha pulegium	Plant		73000.0	-0.867394454112097	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Balanites aegyptiacus	Shoot		66000.0	-0.8469260095270086	--
Myrciaria cauliflora	Fruit	2000.0	24000.0	-0.845839418727013	--
Sclerocarya caffra	Fruit	2000.0	24000.0	-0.845839418727013	--
Manilkara zapota	Fruit	4000.0	24000.0	-0.845839418727013	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Terminalia arjuna	Leaf		70900.0	-0.8448499500579915	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
Acrocomia totai	Seed		19800.0	-0.8445832673091213	--
Eriodictyon californicum	Leaf	15620.0	71000.0	-0.8430880728240518	--
Luffa aegyptiaca	Leaf	7000.0	71000.0	-0.8430880728240518	--
Mimosa pudica	Leaf	5000.0	71000.0	-0.8430880728240518	--
Vigna subterranea	Plant		75000.0	-0.8312624885957001	--
Rosmarinus officinalis	Plant	23500.0	75570.0	-0.820964878423527	USDA's Ag Handbook 8 and sequelae)
Phyllanthus emblica	Fruit	4000.0	25000.0	-0.8199440713009283	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Diospyros virginiana	Fruit	9000.0	25280.0	-0.8126933740216246	--
Juglans regia	Seed	12000.0	21000.0	-0.8084901113520006	--
Tamarindus indica	Leaf	26000.0	73000.0	-0.80785052814526	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Plantago psyllium	Hull Husk		19800.0	-0.805387266256829	--
Quararibea cordata	Fruit	3000.0	25850.0	-0.7979330259887563	--
Arachis hypogaea	Leaf	16000.0	74000.0	-0.7902317558058641	--
Allium sativum var. sativum	Leaf	10000.0	74000.0	-0.7902317558058641	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Pachyrhizus erosus	Tuber	5000.0	46080.0	-0.7884007790265444	--
Plantago psyllium	Seed	4796.0	22000.0	-0.7784124813877332	--
Rosa canina	Seed		22000.0	-0.7784124813877332	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Cocos nucifera	Seed	9000.0	22000.0	-0.7784124813877332	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Ricinus communis	Seed	20000.0	22000.0	-0.7784124813877332	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Elytrigia repens	Plant	61000.0	78000.0	-0.7770645403211047	--
Robinia pseudoacacia	Leaf	61000.0	75000.0	-0.7726129834664683	--
Allium ampeloprasum	Leaf	8000.0	75000.0	-0.7726129834664683	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Pterocarpus marsupium</i>	Leaf		75000.0	-0.7726129834664683	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Opuntia ficus-indica</i>	Fruit	3000.0	27000.0	-0.7681533764487589	--
<i>Melicoccus bijugatas</i>	Fruit	3400.0	27000.0	-0.7681533764487589	--
<i>Pouteria caimito</i>	Fruit	7000.0	27070.0	-0.7663407021289329	--
<i>Tamarindus indica</i>	Flower		35000.0	-0.7647202842836339	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Eugenia brasiliensis</i>	Fruit	4000.0	27210.0	-0.7627153534892811	--
<i>Psophocarpus tetragonolobus</i>	Tuber	20000.0	46948.0	-0.7575557655151164	--
<i>Erythrina fusca</i>	Leaf	14000.0	76000.0	-0.7549942111270724	--
<i>Lens culinaris</i>	Sprout Seedling	9250.0	35833.0	-0.7500410479276718	USDA's Ag Handbook 8 and sequelae)
<i>Casimiroa edulis</i>	Fruit	4800.0	27777.0	-0.7480326914986911	--
<i>Origanum vulgare</i>	Plant	69000.0	79720.0	-0.7459910499770033	USDA's Ag Handbook 8 and sequelae)
<i>Nelumbo nucifera</i>	Rhizome	9700.0	68000.0	-0.7453615056459485	--
<i>Phaseolus coccineus</i>	Fruit	16000.0	28000.0	-0.7422580290226741	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
<i>Citrus limon</i>	Fruit		28000.0	-0.7422580290226741	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Lupinus mutabilis</i>	Fruit	8000.0	28000.0	-0.7422580290226741	--
<i>Anacardium occidentale</i>	Fruit	2000.0	28000.0	-0.7422580290226741	--
<i>Cuscuta europaea</i>	Plant		80000.0	-0.7409325748047078	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Amorphophallus konjac</i>	Leaf	2000.0	77000.0	-0.7373754387876765	--
<i>Betula lenta</i>	Leaf		77000.0	-0.7373754387876765	Jim Duke's personal files.*
<i>Syzygium jambos</i>	Fruit	4000.0	28385.0	-0.7322883202636316	--
<i>Chrysanthemum cinerariifolium</i>	Shoot		71000.0	-0.7311446722482432	--
<i>Mirabilis expansa</i>	Root	7000.0	42000.0	-0.729843753529987	--



Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Elaeagnus angustifolia</i>	Seed		24000.0	-0.7182572214591987	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Fagopyrum esculentum</i>	Seed	19000.0	24000.0	-0.7182572214591987	--
<i>Juglans nigra</i>	Fruit		29000.0	-0.7163626815965894	--
<i>Crataegus laevigata</i>	Fruit	8091.0	29000.0	-0.7163626815965894	--
<i>Serenoa repens</i>	Fruit	3770.0	29000.0	-0.7163626815965894	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Mangifera indica</i>	Fruit	4700.0	29140.0	-0.7127373329569376	--
<i>Diospyros digyna</i>	Fruit	3700.0	29210.0	-0.7109246586371117	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
<i>Avena sativa</i>	Plant	18040.0	82000.0	-0.7048006092883108	--
<i>Secale cereale</i>	Seed	18000.0	24650.0	-0.698706761982425	USDA's Ag Handbook 8 and sequelae)
<i>Carthamus tinctorius</i>	Flower	5320.0	38000.0	-0.6963303382958294	--
<i>Gardenia jasminoides</i>	Seed		25000.0	-0.6881795914949315	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Alpinia galanga</i>	Rhizome	10000.0	71000.0	-0.6868308798699451	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Terminalia bellirica</i>	Leaf	49000.0	80000.0	-0.6845191217694889	--
<i>Rubus idaeus</i>	Leaf	13520.0	80000.0	-0.6845191217694889	--
<i>Citrullus lanatus</i>	Fruit		30600.0	-0.674930125714854	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
<i>Ullucus tuberosus</i>	Root	6000.0	44000.0	-0.6727327773299482	--
<i>Rollinia mucosa</i>	Fruit	7000.0	30700.0	-0.6723405909722455	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
<i>Rubus idaeus</i>	Fruit	3880.0	30815.0	-0.6693626260182457	Revised USDA data received 1993.
<i>Dioscorea pentaphylla</i>	Root	8200.0	44180.0	-0.6675927894719447	--
<i>Agathosma betulina</i>	Leaf		81000.0	-0.666900349430093	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Barosma betulina	Leaf		81000.0	-0.666900349430093	--
Sida rhombifolia	Leaf	16000.0	81000.0	-0.666900349430093	--
Abrus precatorius	Leaf	17000.0	81000.0	-0.666900349430093	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Spondias dulcis	Fruit	4000.0	31000.0	-0.6645719867444201	--
Cichorium intybus	Root	8900.0	44500.0	-0.6584550332799385	--
Sassafras albidum	Seed	24000.0	26000.0	-0.6581019615306641	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Feijoa sellowiana	Fruit	5000.0	31250.0	-0.6580981498878989	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Rubus chamaemorus	Fruit	4100.0	31250.0	-0.6580981498878989	--
Pueraria montana	Root	14000.0	44600.0	-0.6555994844699365	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Citrus reticulata	Fruit	3900.0	31525.0	-0.6509769293457256	ACTA AGRIC SCAND SUPPL 22: 1980
Liquidambar styraciflua	Leaf	40000.0	82000.0	-0.6492815770906971	--
Crataegus rhipidophylla	Fruit	29000.0	31800.0	-0.6438557088035524	--
Elaeagnus umbellatus	Fruit	5900.0	31945.0	-0.6401008834267701	--
Juniperus communis	Fruit	9920.0	32000.0	-0.6386766393183354	--
Passiflora edulis	Fruit	8000.0	32000.0	-0.6386766393183354	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Apium graveolens	Fruit	6720.0	32000.0	-0.6386766393183354	--
Larrea tridentata	Plant	28294.0	86000.0	-0.632536678255517	--
Pinus edulis	Seed	22600.0	27000.0	-0.6280243315663969	--
Nandina domestica	Seed		27000.0	-0.6280243315663969	--
Castanea sativa	Seed	12300.0	27060.0	-0.6262196737685408	--
Abies spectabilis	Wood		2600.0	-0.6188573813992945	Wealth of India.
Bactris gasipaes	Fruit	7200.0	32800.0	-0.6179603613774676	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
Erythrina berteroana	Shoot	12000.0	76000.0	-0.6153633349694778	--
Sambucus canadensis	Fruit	6150.0	32918.0	-0.6149047103811897	USDA's Ag Handbook 8 and sequelae)
Acacia senegal	Leaf		84000.0	-0.6140440324119054	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Urtica dioica	Leaf	16800.0	84000.0	-0.6140440324119054	--
Juglans nigra	Seed	23000.0	27770.0	-0.604864556493911	--
Myrciaria dubia	Fruit	2000.0	33335.0	-0.6041063505045123	--
Passiflora foetida	Fruit	6000.0	33335.0	-0.6041063505045123	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Juglans nigra	Hull Husk		29000.0	-0.6040404496926218	--
Artocarpus altilis	Fruit	5600.0	33400.0	-0.6024231529218168	USDA's Ag Handbook 8 and sequelae)
Arachis hypogaea	Seed	16000.0	28000.0	-0.5979467016021296	--
Prosopis juliflora	Leaf		85000.0	-0.5964252600725095	--
Rhynchosia minima	Shoot		76900.0	-0.5945226942593	--
Spondias purpurea	Fruit	6000.0	34000.0	-0.5868859444661659	--
Annona cherimola	Fruit	6100.0	34000.0	-0.5868859444661659	--
Maclura pomifera	Wood		3300.0	-0.586480687305161	Smith, J. L. and Perino, J. V. 1981. Osage Orange (Maclura pomifera): History and Economic Uses. Economic Botany 35(1): 24-41
Castanea dentata	Seed	15600.0	28480.0	-0.5835094392192813	--
Myrica cerifera	Bark	13080.0	60000.0	-0.5791061098941602	--
Verbascum thapsus	Leaf	37840.0	86000.0	-0.5788064877331136	--
Zizyphus jujuba	Leaf		86000.0	-0.5788064877331136	--
Cicer arietinum	Seed	24000.0	28900.0	-0.5708768346342891	USDA's Ag Handbook 8 and sequelae)
Byrsonima crassifolia	Fruit	6000.0	34885.0	-0.5639685619940811	--
Acacia tortilis	Leaf		87000.0	-0.5611877153937178	--
Salvia officinalis	Leaf	13659.0	87000.0	-0.5611877153937178	--
Zizyphus jujuba	Fruit	6000.0	35000.0	-0.5609905970400813	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Spondias mombin	Fruit	4000.0	35000.0	-0.5609905970400813	--
Prunus salicifolia	Fruit	5600.0	35345.0	-0.5520567021780821	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Castanea mollissima	Seed	16700.0	29726.0	-0.5460327122838042	--
Trifolium pratense	Shoot		79000.0	-0.5458945326022187	--
Paullinia yoko	Bark		61000.0	-0.5452222417620551	--
Musa x paradisiaca	Leaf		88000.0	-0.5435689430543219	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Eugenia uniflora	Fruit	2000.0	35715.0	-0.5424754236304308	--
Punica granatum	Fruit	5000.0	35858.0	-0.5387723889485007	USDA's Ag Handbook 8 and sequelae)
Psidium guajava	Seed		30000.0	-0.537791441673595	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Ceratonia siliqua	Seed		30000.0	-0.537791441673595	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Pinus cembroides	Seed	29000.0	30000.0	-0.537791441673595	USDA's Ag Handbook 8 and sequelae)
Prunus armeniaca	Seed	10000.0	30000.0	-0.537791441673595	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Aesculus hippocastanum	Seed	14000.0	30000.0	-0.537791441673595	--
Trifolium pratense	Flower	8100.0	45000.0	-0.5367537976576187	--
Ananas comosus	Fruit	2800.0	36000.0	-0.5350952496139966	--
Cucurbita foetidissima	Root		49000.0	-0.5299553368298512	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
Oxalis tuberosa	Root	8000.0	49000.0	-0.5299553368298512	--
Pimenta dioica	Leaf	76000.0	89000.0	-0.525950170714926	--
Juglans cinerea	Seed	25150.0	30466.0	-0.5237752661102465	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Cyamopsis tetragonoloba</i>	Shoot	75000.0	80000.0	-0.5227382651464656	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Lens culinaris</i>	Seed	21000.0	30875.0	-0.5114735154548612	--
<i>Citrus sinensis</i>	Fruit	4100.0	36920.0	-0.5112715299819987	--
<i>Genipa americana</i>	Fruit	2000.0	37000.0	-0.5091999021879119	--
<i>Lantana camara</i>	Fruit		37000.0	-0.5091999021879119	--
<i>Turnera diffusa</i>	Leaf	18900.0	90000.0	-0.5083313983755301	--
<i>Allium cepa</i>	Leaf	7000.0	90000.0	-0.5083313983755301	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Vetiveria zizanioides</i>	Leaf	53000.0	90000.0	-0.5083313983755301	--
<i>Artocarpus heterophyllus</i>	Seed	15000.0	30990.0	-0.5080145880089704	--
<i>Prunus serotina</i>	Stem	1900.0	54000.0	-0.5075180916997535	--
<i>Diospyros virginiana</i>	Stem	22000.0	54000.0	-0.5075180916997535	--
<i>Brassica oleracea</i> var. <i>viridis</i> L.	Leaf	5500.0	90145.0	-0.5057766763863177	--
<i>Lepidium meyenii</i>	Root		50000.0	-0.5013998487298318	--
<i>Panax ginseng</i>	Root	10600.0	50000.0	-0.5013998487298318	--
<i>Artocarpus heterophyllus</i>	Fruit	10000.0	37355.0	-0.5000070538516518	--
<i>Rumex acetosella</i>	Shoot		81000.0	-0.4995819976907125	--
<i>Pinus gerardiana</i>	Seed	29000.0	31350.0	-0.4971866412218342	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Nyssa sylvatica</i>	Leaf	25000.0	91000.0	-0.49071262603613425	--
<i>Pouteria viridis</i>	Fruit	12000.0	37975.0	-0.4839519384474793	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Annona muricata</i>	Fruit	5000.0	38000.0	-0.4833045547618272	--
<i>Sphenostylis stenocarpa</i>	Seed	29000.0	32000.0	-0.47763618174506045	--
<i>Tamarindus indica</i>	Seed	25000.0	32000.0	-0.47763618174506045	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Sophora secundiflora</i>	Seed		32000.0	-0.47763618174506045	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Anacardium occidentale	Seed	26000.0	32000.0	-0.47763618174506045	--
Prunus persica	Bark		63000.0	-0.4774545054978449	--
Murraya sp	Fruit	10090.0	38333.0	-0.474681404068941	--
Musa x paradisiaca	Fruit	10090.0	38333.0	-0.474681404068941	USDA's Ag Handbook 8 and sequelae)
Moringa oleifera	Leaf	23000.0	92000.0	-0.4730938536967384	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Hylocereus undatus	Fruit	6000.0	38460.0	-0.47139269494582825	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Theobroma speciosum	Fruit	15000.0	38460.0	-0.47139269494582825	J Cell Biochem VOL. 22=1995
Persea schiedeana	Fruit	7200.0	38725.0	-0.46453042787791576	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Hylocereus guatemalensis	Fruit	5400.0	38860.0	-0.46103455597539433	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Azadirachta indica	Fruit		39000.0	-0.4574092073357425	--
Scutellaria lateriflora	Plant	13152.0	96000.0	-0.4518768506735323	--
Tamarindus indica	Fruit	27000.0	39358.0	-0.44813867295720416	USDA's Ag Handbook 8 and sequelae)
Sorbus aucubaria	Wood		6300.0	-0.4477234269017318	--
Pistacia vera	Seed	24000.0	33000.0	-0.44755855178079296	--
Crotalaria juncea	Seed		33000.0	-0.44755855178079296	--
Arctostaphylos uva-ursi	Seed	6000.0	33000.0	-0.44755855178079296	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Balanites aegyptiacus	Seed		33000.0	-0.44755855178079296	--
Prunus dulcis	Seed	21000.0	33022.0	-0.4468968439215791	USDA's Ag Handbook 8 and sequelae)
Moringa oleifera	Seed	32000.0	33333.0	-0.43754270100269194	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Pyrus communis	Fruit	2720.0	40000.0	-0.4315138599096578	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Phaseolus lunatus	Fruit		40000.0	-0.4315138599096578	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Vaccinium macrocarpon	Fruit	4800.0	40000.0	-0.4315138599096578	--
Syzygium cumini	Fruit	3000.0	40000.0	-0.4315138599096578	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Annona squamosa	Fruit	7000.0	40000.0	-0.4315138599096578	--
Platonia insignis	Fruit	10000.0	40000.0	-0.4315138599096578	--
Ageratum conyzoides	Plant		97200.0	-0.4301976713636941	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Ocimum tenuiflorum	Plant		97500.0	-0.42477787653623456	--
Pothomorphe sp.	Leaf	17000.0	95000.0	-0.42023753667855074	--
Anogeissus latifolia	Leaf		95000.0	-0.42023753667855074	--
Grindelia squarrosa	Seed		34000.0	-0.4174809218165257	--
Canna indica	Root	9000.0	53000.0	-0.4157333844297736	--
Prunus serotina	Leaf	29000.0	96000.0	-0.4026187643391549	--
Rhus copallina	Leaf	27000.0	96000.0	-0.4026187643391549	--
Erythroxylum coca	Leaf	46000.0	96250.0	-0.3982140712543059	--
Actinidia chinensis	Fruit	4500.0	41600.0	-0.3900813040279223	--
Gliricidia sepium	Seed		35000.0	-0.3874032918522584	--
Hydrangea arborescens	Root	18900.0	54000.0	-0.3871778963297542	--
Malpighia glabra	Fruit	2000.0	42000.0	-0.3797231650574884	--
Medicago sativa	Plant	18800.0	100000.0	-0.3796129196407384	--
Ferula assa-foetida	Plant	15000.0	100000.0	-0.3796129196407384	--
Achillea millefolium	Plant	17700.0	100000.0	-0.3796129196407384	--
Allium sativum var. sativum	Flower	6000.0	52000.0	-0.3771772570194079	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Bertholletia excelsa	Seed	31840.0	35342.0	-0.377116742404479	USDA's Ag Handbook 8 and sequelae)

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Inga edulis</i>	Seed	13000.0	35425.0	-0.3746202991174448	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Brassica oleracea</i> var. <i>gemmifera</i>	Leaf	13700.0	97818.0	-0.37058783622613317	USDA's Ag Handbook 8 and sequelae)
<i>Acacia catechu</i>	Leaf		98000.0	-0.36738121966036313	--
<i>Brassica oleracea</i> var. <i>capitata</i> l.	Leaf	6000.0	98072.0	-0.3661126680519266	--
<i>Colubrina texensis</i>	Shoot		87000.0	-0.360644392956194	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Brassica oleracea</i> var. <i>sabellica</i> l.	Leaf	15000.0	98500.0	-0.3585718334906652	--
<i>Aleurites moluccana</i>	Seed	30000.0	36000.0	-0.35732566188799114	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Vigna mungo</i>	Seed	32000.0	36000.0	-0.35732566188799114	--
<i>Cornus florida</i>	Seed		36000.0	-0.35732566188799114	--
<i>Malus domestica</i>	Fruit	2300.0	43000.0	-0.3538278176314037	--
<i>Senna alexandrina</i>	Leaf	20097.0	99000.0	-0.34976244732096723	--
<i>Psidium guajava</i>	Fruit	4300.0	43200.0	-0.34864874814618674	--
<i>Psophocarpus tetragonolobus</i>	Leaf	19000.0	99360.0	-0.34341968927878475	--
<i>Frangula purshiana</i>	Bark	18559.0	67000.0	-0.3419190329694244	--
<i>Lupinus albus</i>	Seed	32800.0	36580.0	-0.3398806365087161	--
<i>Mangifera indica</i>	Seed		36600.0	-0.33927908390943073	--
<i>Maclura pomifera</i>	Leaf		99600.0	-0.3391911839173297	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Tephrosia purpurea</i>	Leaf	77000.0	99600.0	-0.3391911839173297	--
<i>Juniperus virginiana</i>	Shoot	38000.0	88000.0	-0.33748812550044127	--
<i>Brassica nigra</i>	Leaf	5830.0	99722.0	-0.3370416936919234	USDA's Ag Handbook 8 and sequelae)
<i>Salix alba</i>	Wood		8700.0	-0.3367176185789884	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Angelica sinensis</i>	Root	12320.0	56000.0	-0.3300669201297154	--



Plant	Part	Low PPM	High PPM	StdDev	Reference
Eriobotrya japonica	Fruit	4000.0	44000.0	-0.327932470205319	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Psidium cattleianum	Fruit	5000.0	44000.0	-0.327932470205319	--
Passiflora quadrangularis	Seed	8000.0	37000.0	-0.3272480319237238	--
Pachira macrocarpa	Seed	35000.0	37000.0	-0.3272480319237238	--
Aegle marmelos	Fruit	10400.0	44155.0	-0.32391869135427587	--
Coffea arabica	Seed		37400.0	-0.31521697993801695	--
Rhizophora mangle	Leaf	89000.0	101000.0	-0.3145249026421755	--
Chrysophyllum cainito	Seed		37500.0	-0.3122092169415902	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Vigna radiata	Seed	32210.0	37609.0	-0.3089307552754851	USDA's Ag Handbook 8 and sequelae)
Vigna angularis	Seed	32600.0	37622.0	-0.3085397460859496	--
Phoenix dactylifera	Fruit	5000.0	44800.0	-0.30721619226445124	--
Brassica oleracea var. botrytis l.	Leaf	2800.0	101708.0	-0.30205081182588317	--
Brassica oleracea var. italica	Leaf	2800.0	101708.0	-0.30205081182588317	--
Tropaeolum tuberosum	Root	4000.0	57000.0	-0.301511432029696	--
Acacia decurrens	Seed		38000.0	-0.29717040195945654	--
Cytisus scoparius	Seed		38000.0	-0.29717040195945654	--
Ginkgo biloba	Seed	14000.0	38000.0	-0.29717040195945654	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Vigna radiata	Sprout Seedling	3750.0	53025.0	-0.2955159812067499	USDA's Ag Handbook 8 and sequelae)
Eleocharis dulcis	Tuber	11000.0	60000.0	-0.2937434194884379	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Carya ovata	Shoot	25000.0	90000.0	-0.2911755905889351	--
Licania platypus	Fruit	9600.0	45480.0	-0.28960735601471366	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Satureja hortensis	Plant	21100.0	105000.0	-0.28928300584974603	--
Hydnocarpus wightiana	Seed		38300.0	-0.28814711297017637	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Peganum harmala	Plant	34000.0	105250.0	-0.28476651016019644	--
Canarium indicum	Seed		38500.0	-0.28213158697732293	--
Schisandra chinensis	Fruit	6900.0	46000.0	-0.2761417753531496	--
Phaseolus vulgaris	Sprout Seedling	5000.0	53763.0	-0.2760046096827829	USDA's Ag Handbook 8 and sequelae)
Cypripedium pubescens	Root		58000.0	-0.2729559439296766	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Pteridium aquilinum	Rhizome	83000.0	92222.0	-0.2727852331304965	--
Equisetum arvense	Plant	22684.0	106000.0	-0.2712170230915476	--
Sophora japonica	Seed		39000.0	-0.26709277199518927	--
Trigonella foenum-graecum	Seed	5070.0	39000.0	-0.26709277199518927	--
Lupinus mutabilis	Seed	35000.0	39000.0	-0.26709277199518927	--
Crescentia alata	Seed	38000.0	39000.0	-0.26709277199518927	--
Albizia lebeck	Leaf	101000.0	104000.0	-0.26166858562398787	Wealth of India.
Physalis peruviana	Fruit	8000.0	47000.0	-0.2502464279270649	--
Syzygium malaccense	Fruit	1000.0	47000.0	-0.2502464279270649	--
Armoracia rusticana	Root	10620.0	59000.0	-0.2444004558296572	--
Gleditsia triacanthos	Seed	38000.0	40000.0	-0.237015142030922	--
Phytelephas aequatorialis	Flower	17000.0	58220.0	-0.2353821023380264	KOZIOL & PEDERSEN. 1993. PHYTELEPHAS AEQUATORIALIS(ARECACEAE) IN HUMAN AND ANIMAL NUTRITION. ECON. BOT. 47:401-307.
Sicana odorifera	Fruit	6000.0	47620.0	-0.23419131252289238	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Prunus cerasus	Fruit	4000.0	48000.0	-0.2243510805009802	--
Prosopis juliflora	Fruit		48000.0	-0.2243510805009802	--
Vaccinium myrtillus	Fruit	3840.0	48000.0	-0.2243510805009802	--
Annona diversifolia	Fruit	13700.0	48070.0	-0.22253840618115428	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Eleutherococcus senticosus	Root	12600.0	60000.0	-0.2158449677296378	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Rhus copallina	Stem	25000.0	61000.0	-0.21418053055044567	--
Cnicus benedictus	Seed		41000.0	-0.20693751206665473	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Melilotus alba	Seed		41000.0	-0.20693751206665473	--
Trifolium pratense	Seed		41000.0	-0.20693751206665473	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
Sambucus nigra	Fruit	8600.0	48765.0	-0.2045411397200254	--
Zizyphus spina-christi	Fruit	44000.0	49000.0	-0.1984557330748955	--
Vigna unguiculata	Fruit	6000.0	49383.0	-0.18853781501070507	USDA's Ag Handbook 8 and sequelae)
Theobroma bicolor	Seed	33000.0	41725.0	-0.18513123034256093	--
Brassica juncea	Leaf	10000.0	108695.0	-0.1789484494905242	--
Albizia lebbeck	Seed		42000.0	-0.17685988210238743	Wealth of India.
Phaseolus acutifolius	Seed	31000.0	42000.0	-0.17685988210238743	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Vigna subterranea	Seed	18000.0	42000.0	-0.17685988210238743	--
Asclepias syriaca	Seed	37000.0	42000.0	-0.17685988210238743	--
Quercus velutina	Stem	24000.0	62000.0	-0.17227516467197312	--
Glycine max	Sprout Seedling	8000.0	58000.0	-0.16398607154315134	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Rumex acetosa	Leaf	11000.0	110000.0	-0.15595595158761258	--
Chamaemelum nobile	Flower		62000.0	-0.1492107703933926	--
Terminalia catappa	Seed	24000.0	43000.0	-0.14678225213812016	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Ulex europaeus	Seed		43000.0	-0.14678225213812016	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Cyamopsis tetragonoloba	Seed	33000.0	43000.0	-0.14678225213812016	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Cajanus cajan	Fruit	13000.0	51000.0	-0.1466650382227261	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Elaeagnus commutata</i>	Fruit	7000.0	51000.0	-0.1466650382227261	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Pisum sativum</i>	Seed	8280.0	43138.0	-0.14263153920305127	--
<i>Hibiscus sabdariffa</i>	Leaf	10000.0	111000.0	-0.1383371792482167	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Colocasia esculenta</i>	Root	8000.0	63000.0	-0.13017850342957962	--
<i>Smilax</i> spp	Root	13230.0	63000.0	-0.13017850342957962	--
<i>Ruscus aculeatus</i>	Root	19026.0	63000.0	-0.13017850342957962	--
<i>Smilax officinalis</i>	Root	13230.0	63000.0	-0.13017850342957962	--
<i>Averrhoa carambola</i>	Fruit	2600.0	52000.0	-0.12076969079664142	--
<i>Glycine max</i>	Fruit	16000.0	52000.0	-0.12076969079664142	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Capsicum annuum</i>	Fruit	13416.0	52000.0	-0.12076969079664142	--
<i>Spondias pinnata</i>	Fruit	5000.0	52000.0	-0.12076969079664142	--
<i>Azadirachta indica</i>	Leaf		112000.0	-0.12071840690882082	--
<i>Fragaria</i> spp	Fruit	3900.0	52065.0	-0.1190864932139459	--
<i>Mucuna pruriens</i>	Seed	30000.0	44000.0	-0.11670462217385287	--
<i>Lagenaria siceraria</i>	Seed		44300.0	-0.10768133318457268	--
<i>Theobroma angustifolium</i>	Seed	18200.0	44600.0	-0.0986580441952925	--
<i>Canavalia ensiformis</i>	Fruit	6000.0	53000.0	-0.09487434337055671	--
<i>Arachis hypogaea</i>	Plant	73000.0	116000.0	-0.09055719550956291	--
<i>Anemone coronaria</i>	Seed	41000.0	45000.0	-0.08662699220958558	--
<i>Carthamus tinctorius</i>	Seed	40000.0	45000.0	-0.08662699220958558	--
<i>Jatropha curcas</i>	Seed		45000.0	-0.08662699220958558	--
<i>Phaseolus lunatus</i>	Sprout Seedling	22000.0	61000.0	-0.08467155315304167	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Vigna unguiculata</i>	Seed	39270.0	45132.0	-0.0826567450543023	USDA's Ag Handbook 8 and sequelae)
<i>Yucca baccata</i>	Root	13520.0	65000.0	-0.07306752722954081	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Guarea rusbyi	Bark		75000.0	-0.07084808791258336	--
Elettaria cardamomum	Fruit		54000.0	-0.06897899594447202	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Vigna subterranea	Fruit		54000.0	-0.06897899594447202	--
Gleditsia triacanthos	Fruit		54000.0	-0.06897899594447202	--
Cajanus cajan	Seed	14000.0	46000.0	-0.056549362245318306	--
Commelina benghalensis	Leaf	16000.0	115940.0	-0.05130044389160106	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Schinus molle	Fruit		54700.0	-0.05085225274621273	--
Vicia faba	Fruit	8000.0	54800.0	-0.04826271800360426	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Amorphophallus campanulatus	Root	3100.0	66000.0	-0.04451203912952142	--
Allium ampeloprasum	Root	9000.0	66000.0	-0.04451203912952142	--
Hydrastis canadensis	Root	18282.0	66000.0	-0.04451203912952142	--
Ulmus rubra	Bark	12464.0	76000.0	-0.03696421978047823	--
Glycine max	Plant	55000.0	119000.0	-0.036359247234967515	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Pisum sativum	Fruit	5600.0	55391.0	-0.032958567674788206	--
Gossypium sp	Seed	34100.0	47000.0	-0.026471732281051027	--
Robinia pseudoacacia	Seed	40000.0	47000.0	-0.026471732281051027	--
Pinus pinea	Seed	43000.0	47155.0	-0.0218096996365896	--
Persea americana	Fruit	6000.0	56000.0	-0.017188301092302623	--
Polymnia edulis	Root	3000.0	67000.0	-0.01595655102950202	--
Abelmoschus esculentus	Seed		47400.0	-0.014440680295344115	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Brosimum alicastrum	Fruit	9000.0	56250.0	-0.010714464235781446	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Tropaeolum majus	Shoot	14000.0	102200.0	-0.008669127628747558	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Quercus rubra	Stem	20000.0	66000.0	-0.004653701158082971	--
Cucurbita foetidissima	Seed	31000.0	48000.0	0.003605897683216254	--
Canavalia ensiformis	Seed	29000.0	48000.0	0.003605897683216254	--
Eruca sativa	Seed		48000.0	0.003605897683216254	--
Vigna unguiculata	Shoot	10500.0	102740.0	0.0038352567973591037	--
Vigna unguiculata	Shoot	10500.0	102740.0	0.0038352567973591037	USDA's Ag Handbook 8 and sequelae)
Lablab purpureus	Fruit	10000.0	56818.0	0.0039940931022346615	--
Senna obtusifolia	Seed	42000.0	48100.0	0.006613660679642982	--
Lantana camara	Shoot		102900.0	0.007540259590279596	--
Acacia tortilis	Fruit	51000.0	57000.0	0.008707046333782076	--
Ficus carica	Fruit	5000.0	57000.0	0.008707046333782076	--
Gliricidia sepium	Flower	6000.0	69000.0	0.01036577024481813	--
Sechium edule	Fruit	4000.0	57145.0	0.012461871710564358	--
Carthamus tinctorius	Plant	15000.0	122000.0	0.01783870103962789	--
Sorbus aucubaria	Fruit	7300.0	57690.0	0.026574836057780517	--
Durio zibethinus	Fruit	8000.0	57895.0	0.03188338228012788	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Linum usitatissimum	Seed	26000.0	49000.0	0.03368352764748354	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Chrysobalanus icaco	Fruit	4000.0	58000.0	0.034602393759866776	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Rhus glabra	Stem	21000.0	67000.0	0.03725166472038957	--
Parthenium integrifolium	Root	11040.0	69000.0	0.041154425170536774	--
Origanum majorana	Plant	96900.0	123300.0	0.0413244786252859	--
Sinapis alba	Seed	44145.0	49280.0	0.04210526403747837	--
Hydnocarpus kurzii	Seed		49300.0	0.04270681663676372	--
Helianthus annuus	Seed	26000.0	49300.0	0.04270681663676372	--
Agave americana	Plant		124000.0	0.053970666556024824	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Sechium edule</i>	Leaf	21600.0	122000.0	0.05546931648513796	--
<i>Carica pentagona</i>	Fruit	4000.0	58825.0	0.05596605538638665	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Medicago sativa</i>	Seed	44000.0	49830.0	0.05864796051782538	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Muntingia calabura</i>	Fruit	12000.0	59000.0	0.06049774118595147	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Sclerocarya caffra</i>	Seed	48000.0	50000.0	0.06376115761175082	--
<i>Corylus avellana</i>	Seed	17000.0	50000.0	0.06376115761175082	--
<i>Polygonum multiflorum</i>	Root		70000.0	0.06970991327055617	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Moringa oleifera</i>	Shoot	22600.0	105900.0	0.07700906195753883	USDA's Ag Handbook 8 and sequelae)
<i>Piper nigrum</i>	Fruit	42932.0	60000.0	0.08639308861203618	--
<i>Vigna mungo</i>	Plant		126000.0	0.09010263207242175	--
<i>Euphrasia officinalis</i>	Plant	19404.0	126000.0	0.09010263207242175	--
<i>Ricinus communis</i>	Leaf		124000.0	0.09070686116392972	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
<i>Sesamum indicum</i>	Leaf		124000.0	0.09070686116392972	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Bupleurum chinense</i>	Root	7810.0	71000.0	0.09826540137057557	--
<i>Harpagophytum procumbens</i>	Root	13490.0	71000.0	0.09826540137057557	--
<i>Murraya koenigii</i>	Leaf	15000.0	125000.0	0.1083256335033256	--
<i>Ribes nigrum</i>	Fruit	8050.0	61100.0	0.11487797078072934	--
<i>Liquidambar styraciflua</i>	Seed		52000.0	0.12391641754028537	--
<i>Nelumbo nucifera</i>	Seed	9000.0	52000.0	0.12391641754028537	--
<i>Phragmites australis</i>	Shoot		108000.0	0.1256372236146203	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Zizyphus jujuba</i>	Shoot		108000.0	0.1256372236146203	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Inula helenium</i>	Root	15840.0	72000.0	0.12682088947059497	--
<i>Sechium edule</i>	Shoot	8000.0	108100.0	0.1279528503601956	--
<i>Limonia acidissima</i>	Seed	50300.0	52290.0	0.1326389302299229	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
<i>Passiflora ligularis</i>	Fruit	8700.0	61900.0	0.1355942487215971	--
<i>Myrica cerifera</i>	Leaf		127000.0	0.14356317818211736	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Balanites aegyptiacus</i>	Leaf		127000.0	0.14356317818211736	--
<i>Lablab purpureus</i>	Seed	6400.0	52762.0	0.14683557157305704	--
<i>Lawsonia inermis</i>	Seed	47500.0	52780.0	0.14737696891241386	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Nigella sativa</i>	Seed	38000.0	53000.0	0.15399404750455267	--
<i>Aralia cordata</i>	Leaf	6000.0	127660.0	0.15519156792611863	--
<i>Allium schoenoprasum</i>	Leaf	4000.0	128000.0	0.16118195052151324	--
<i>Thymus vulgaris</i>	Leaf	21504.0	128000.0	0.16118195052151324	--
<i>Carya glabra</i>	Shoot	20000.0	110000.0	0.17194975852612646	--
<i>Thymus vulgaris</i>	Plant	113681.0	130809.0	0.17698194315659818	USDA's Ag Handbook 8 and sequelae)
<i>Xanthosoma sagittifolium</i>	Leaf	13000.0	129000.0	0.17880072286090912	--
<i>Melilotus indica</i>	Plant	85000.0	131000.0	0.1804325458634141	--
<i>Cucurbita maxima</i>	Leaf	18200.0	129100.0	0.1805626000948487	--
<i>Bixa orellana</i>	Seed	47000.0	54000.0	0.18407167746881994	--
<i>Mimosa pudica</i>	Seed	36000.0	54000.0	0.18407167746881994	--
<i>Acacia nilotica</i>	Seed	40000.0	54000.0	0.18407167746881994	--
<i>Brassica nigra</i>	Seed	50000.0	54112.0	0.18744037202481786	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Citrus mitis</i>	Fruit	5400.0	64000.0	0.18997447831637496	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
Citrus aurantium	Fruit	5000.0	64000.0	0.18997447831637496	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Bixa orellana	Fruit	10000.0	64100.0	0.19256401305898344	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Cnidioscolus chayamansa	Leaf	17000.0	130000.0	0.196419495200305	--
Stevia rebaudiana	Leaf	63000.0	130000.0	0.196419495200305	--
Tabebuia heptaphylla	Bark	14857.0	83000.0	0.20022285714425767	--
Secale cereale	Seed		54750.0	0.2066298999420204	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Capsicum frutescens	Fruit	6000.0	65000.0	0.21586982574245966	--
Cnicus benedictus	Plant	17689.0	133000.0	0.21656451137981103	--
Capparis spinosa	Leaf		132000.0	0.23165703987909675	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Tilia sp.	Fruit	21000.0	66000.0	0.24176517316854437	--
Vigna aconitifolia	Seed	35000.0	56000.0	0.24422693739735452	--
Mangifera indica	Leaf	19000.0	133000.0	0.24927581221849263	--
Brassica juncea	Seed	53000.0	56500.0	0.2592657523794881	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Oryza sativa	Seed	7000.0	57000.0	0.2743045673616218	--
Carum carvi	Fruit	56460.0	67620.0	0.28371563599880156	--
Manihot esculenta	Leaf	27000.0	135000.0	0.28451335689728435	--
Piper auritum	Leaf	24000.0	135000.0	0.28451335689728435	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Petroselinum crispum	Plant	10823.0	137000.0	0.2888284424126049	--
Phaseolus acutifolius	Fruit		68000.0	0.29355586802071376	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Rosa canina	Fruit	12716.0	68000.0	0.29355586802071376	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Annona glabra</i>	Fruit	9000.0	68000.0	0.29355586802071376	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Vicia faba</i>	Seed	11000.0	57900.0	0.3013744343294623	USDA's Ag Handbook 8 and sequelae)
<i>Acacia senegal</i>	Seed		58000.0	0.30438219732588906	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Casimiroa edulis</i>	Seed	11000.0	58000.0	0.30438219732588906	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Elettaria cardamomum</i>	Seed		58000.0	0.30438219732588906	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Vigna aconitifolia</i>	Plant	126000.0	138000.0	0.30689442517080334	--
<i>Rheum rhabarbarum</i>	Pt	8000.0	160000.0	0.30828136199004014	--
<i>Cenchrus biflorus</i>	Shoot	77000.0	116000.0	0.3108873632606449	--
<i>Averrhoa bilimbi</i>	Fruit	3000.0	68965.0	0.3185448782868855	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
<i>Daucus carota</i>	Root	56000.0	79000.0	0.32670930617073074	--
<i>Acacia tortilis</i>	Seed		59000.0	0.33445982729015633	--
<i>Vigna aconitifolia</i>	Leaf		138000.0	0.337369673915472	--
<i>Abelmoschus esculentus</i>	Fruit	7000.0	70000.0	0.3453465628728832	USDA's Ag Handbook 8 and sequelae)
<i>Phyllanthus acidus</i>	Fruit	4000.0	70000.0	0.3453465628728832	--
<i>Phytelephas aequatorialis</i>	Seed	7300.0	59400.0	0.34649087927586325	KOZIOL & PEDERSEN. 1993. PHYTELEPHAS AEQUATORIALIS(ARECACEAE) IN HUMAN AND ANIMAL NUTRITION. ECON. BOT. 47:401-307.
<i>Abelmoschus manihot</i>	Leaf	16100.0	138793.0	0.3513413603806129	--
<i>Mentha spicata</i>	Plant	16000.0	140485.0	0.35178839232492654	--
<i>Astragalus membranaceus</i>	Root	12800.0	80000.0	0.35526479427075014	--
<i>Taraxacum officinale</i>	Root	11440.0	80000.0	0.35526479427075014	--
<i>Althaea officinalis</i>	Root	8640.0	80000.0	0.35526479427075014	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Echinacea spp	Root		80000.0	0.35526479427075014	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Echinacea purpurea	Root	20080.0	80000.0	0.35526479427075014	--
Croton tiglium	Seed	40000.0	60000.0	0.3645374572544236	--
Cinchona spp	Seed		60000.0	0.3645374572544236	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Passiflora quadrangularis	Fruit	4000.0	71000.0	0.37124191029896786	--
Acacia senegal	Fruit		71000.0	0.37124191029896786	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Cyphomandra betacea	Fruit	6100.0	71000.0	0.37124191029896786	--
Lepidium sativum	Seed	57000.0	60440.0	0.3777716144387012	--
Mentha x piperita	Leaf	21009.0	141000.0	0.3902259909336596	--
Peperomia pelucida	Leaf	11000.0	141000.0	0.3902259909336596	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Phaseolus coccineus	Seed	28000.0	61000.0	0.39461508721869093	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Glycine max	Seed	17000.0	61000.0	0.39461508721869093	--
Morus alba	Fruit	7000.0	72000.0	0.39713725772505254	--
Humulus lupulus	Flower	15996.0	86000.0	0.3979087975090442	--
Coccinia grandis	Fruit	5000.0	72465.0	0.40917859427818193	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Gentiana lutea	Root	18040.0	82000.0	0.41237577047078894	--
Dioscorea villosa	Root	19680.0	82000.0	0.41237577047078894	--
Quercus alba	Stem	20000.0	76000.0	0.41439995762664245	--
Solanum quitoensis	Fruit	6000.0	73000.0	0.4230326051511373	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Citrullus lanatus	Seed		62000.0	0.4246927171829582	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Plantago major	Seed	18600.0	62000.0	0.4246927171829582	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Phaseolus vulgaris	Seed	17000.0	62000.0	0.4246927171829582	--
Perilla frutescens	Leaf	20000.0	143000.0	0.42546353561245137	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Cyrtosperma chamissonis	Leaf	16000.0	145545.0	0.4703033112162139	--
Ribes rubrum	Fruit	6000.0	75000.0	0.47482330000330664	--
Solanum torvum	Fruit	11000.0	75000.0	0.47482330000330664	--
Solanum melongena	Leaf	20000.0	147000.0	0.49593862497003494	--
Lawsonia inermis	Leaf		148000.0	0.5135573973094308	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.
Leonotis nepetaefolia	Seed	59000.0	65000.0	0.5149256070757601	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Sesamum indicum	Seed	42270.0	65000.0	0.5149256070757601	--
Arundo donax	Plant	92000.0	150000.0	0.5236862182691849	--
Chondrus crispus	Plant		150000.0	0.5236862182691849	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Benincasa hispida	Fruit	3000.0	76925.0	0.5246718437985197	--
Brassica rapa	Root	7000.0	86000.0	0.5265977228708666	--
Pimpinella anisum	Fruit	66000.0	77000.0	0.526613994855476	--
Vitis vinifera	Fruit	4290.0	77000.0	0.526613994855476	--
Calotropis sp.	Seed		65500.0	0.5299644220578936	--
Momordica charantia	Leaf	21000.0	149000.0	0.5311761696488266	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Artemisia absinthium	Seed		66000.0	0.5450032370400273	--
Centella asiatica	Leaf	16050.0	150000.0	0.5487949419882225	--
Corchorus olitorius	Leaf	15800.0	151000.0	0.5664137143276184	--
Ocimum basilicum	Plant	20000.0	153000.0	0.5778841665437804	--
Carum carvi	Seed	55000.0	67620.0	0.5937289975821403	--
Solanum tuberosum	Tuber	8100.0	85000.0	0.5946498268084486	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Coriandrum sativum	Leaf	19000.0	153000.0	0.6016512590064101	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Justicia pectoralis	Leaf	23000.0	153000.0	0.6016512590064101	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Luffa aegyptiaca	Fruit	4000.0	80000.0	0.6043000371337302	--
Solanum melongena	Fruit	5000.0	80000.0	0.6043000371337302	--
Peperomia pereskiiifolia	Leaf	23000.0	153335.0	0.6075535477401078	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Carica papaya	Leaf	22000.0	154000.0	0.619270031345806	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Hordeum vulgare	Stem		81000.0	0.6239267870190052	--
Balanites aegyptiacus	Fruit	52000.0	81000.0	0.6301953845598148	--
Colocasia esculenta	Leaf	13000.0	155000.0	0.636888803685202	--
Malva sylvestris	Leaf	13000.0	155000.0	0.636888803685202	--
Pastinaca sativa	Root	9800.0	90000.0	0.6408196752709441	--
Brassica napus var. napobrassica	Root	5700.0	90000.0	0.6408196752709441	ACTA AGRIC SCAND SUPPL 22: 1980
Stellaria media	Plant	13031.0	157000.0	0.6501480975765742	--
Quisqualis indica	Seed	65000.0	69519.0	0.6508464168842839	--
Physalis ixocarpa	Fruit	6000.0	82000.0	0.6560907319858995	--
Moringa oleifera	Fruit	9700.0	82200.0	0.6612698014711165	USDA's Ag Handbook 8 and sequelae)
Cucurbita pepo	Seed	47530.0	70000.0	0.6653137568970965	--
Piper betel	Leaf	23000.0	157500.0	0.6809357345336916	--
Cucurbita pepo	Flower	4800.0	98970.0	0.6935813306629863	USDA's Ag Handbook 8 and sequelae)
Cannabis sativa	Seed	46000.0	71000.0	0.6953913868613637	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Acalypha indica	Leaf	31000.0	159000.0	0.7073638930427855	Wealth of India.
Tridax procumbens	Leaf		159000.0	0.7073638930427855	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
Anethum graveolens	Fruit	64000.0	84000.0	0.707881426838069	--
Capsella bursa-pastoris	Plant	19000.0	161000.0	0.7224120286093682	--
Panicum maximum	Leaf	7100.0	160000.0	0.7249826653821814	--
Trachyspermum ammi	Fruit	79000.0	85313.0	0.7418820180085182	--
Quercus stellata	Stem	25000.0	84000.0	0.7496428846544227	--
Boehmeria nivea	Leaf	21000.0	161540.0	0.752115574784851	--
Berberis vulgaris	Bark		100000.0	0.7762486153900449	--
Lycium chinense	Leaf	17000.0	163000.0	0.777838982400369	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Passiflora mollissima	Fruit	7000.0	87500.0	0.7985151428293654	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Cyamopsis tetragonoloba	Leaf	144000.0	165000.0	0.8130765270791607	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Curcuma longa	Rhizome	9000.0	148000.0	0.8154551817141439	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Papaver somniferum	Seed	65450.0	75060.0	0.8175065645162889	--
Bromelia pinguin	Shoot	10700.0	138000.0	0.8203252472872126	--
Valerianella locusta	Plant	12000.0	166666.0	0.8247738869173207	--
Chenopodium ambrosioides	Leaf	24000.0	166000.0	0.8306952994185566	--
Cuminum cyminum	Fruit	58000.0	89000.0	0.8373581639684924	--
Theobroma bicolor	Fruit	7000.0	89060.0	0.8389118848140575	--
Chamissoa altissima	Leaf	16670.0	166700.0	0.8430284400561338	Tramil
Tribulus terrestris	Leaf	46000.0	167000.0	0.8483140717579525	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Ficus carica	Leaf	53000.0	167000.0	0.8483140717579525	--
Malva parviflora	Plant	23000.0	168000.0	0.8488739079167574	--
Cynara cardunculus	Flower	10600.0	106000.0	0.8538417707610751	--
Santalum acuminatum	Fruit	21000.0	90130.0	0.8666199065599681	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Theobroma cacao	Fruit	38000.0	90475.0	0.8755538014219674	J Cell Biochem VOL. 22=1995
Foeniculum vulgare	Plant	17000.0	170000.0	0.8850058734331543	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Chrysanthemum coronarium	Leaf	11000.0	169230.0	0.8876039340748053	--
Anredera baselloides	Tuber	14000.0	93335.0	0.8908401351238305	Wealth of India.
Lepidium sativum	Leaf	18000.0	169800.0	0.897646634308261	--
Chrysanthemum parthenium	Plant		171000.0	0.9030718561913528	--
Tanacetum parthenium	Plant		171000.0	0.9030718561913528	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Oenothera biennis	Seed	47800.0	78000.0	0.9059347966112347	--
Vitis vinifera	Stem		88000.0	0.9172643481683129	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Symphoricarpos orbiculatus	Stem	38000.0	88000.0	0.9172643481683129	--
Brassica chinensis	Leaf	8000.0	170960.0	0.9180844102219602	--
Brassica rapa	Leaf	8000.0	170960.0	0.9180844102219602	USDA's Ag Handbook 8 and sequelae)
Cassia tora	Sprout Seedling		99000.0	0.9199790131216808	--
Apium graveolens	Root	8300.0	100000.0	0.9263745562711385	ACTA AGRIC SCAND SUPPL 22: 1980
Berberis vulgaris	Root		100000.0	0.9263745562711385	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Trichosanthes anguina	Fruit	5000.0	92590.0	0.9303224612281364	--
Foeniculum vulgare	Fruit	79600.0	93026.0	0.9416128327059095	--
Artemisia vulgaris	Leaf	22000.0	173220.0	0.9579028357089948	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Malva neglecta	Plant	172500.0	174500.0	0.9663027958450474	--
Pereskia aculeata	Fruit	3000.0	94000.0	0.9668349010989159	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Psophocarpus tetragonolobus	Seed	6120.0	80863.0	0.9920470511989319	--
Cucurbita foetidissima	Fruit		95000.0	0.9927302485250006	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Cucurbita pepo	Fruit	7500.0	95238.0	0.9988933412124088	--
Crocus sativus	Silk Stigma Style	42700.0	133000.0	1.0	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Nasturtium officinale	Herb	13000.0	179000.0	1.0	--
Blighia sapida	Aril	12000.0	449000.0	1.0	--
Phaseolus acutifolius	Hay	92000.0	123000.0	1.0	--
Opuntia ficus-indica	Bud		235000.0	1.0	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
Allium sativum var. sativum	Bulb	10000.0	395000.0	1.0	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Tetrapanax papyrifera	Pith		59000.0	1.0	--
Sterculia urens	Gum		59200.0	1.0	--
Cucurbita spp	Fruit	5550.0	96045.0	1.0197908865852592	--
Phaseolus vulgaris	Leaf	26000.0	177000.0	1.0245017951519113	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Ceiba pentandra	Seed	61000.0	82000.0	1.0262453164683039	--
Eryngium floridanum	Shoot		146900.0	1.026416027643415	--
Lagenaria siceraria	Fruit	4300.0	96400.0	1.0289837349215192	--
Apium graveolens	Pt	6000.0	219000.0	1.0411508948922918	--
Vanilla planifolia	Fruit	45000.0	97000.0	1.04452094337717	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Cedrela odorata	Seed		83000.0	1.0563229464325712	--
Anthriscus cerefolium	Leaf	166000.0	178950.0	1.0588584012137332	--
Phaseolus lunatus	Leaf	5000.0	179000.0	1.059739339830703	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Cichorium intybus	Leaf	6000.0	180000.0	1.0773581121700988	USDA's Ag Handbook 8 and sequelae)
Anethum graveolens	Seed	64000.0	84000.0	1.0864005763968383	--
Mimulus glabratus	Shoot	15000.0	150000.0	1.0982004567562496	--



Plant	Part	Low PPM	High PPM	StdDev	Reference
Spirulina pratensis	Plant		182000.0	1.1017976665315359	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Rhodymenia palmata	Plant		182000.0	1.1017976665315359	--
Salix alba	Bark	18480.0	110000.0	1.115087296711096	--
Perilla frutescens	Seed	10000.0	85000.0	1.1164782063611056	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Humulus lupulus	Fruit	70000.0	100000.0	1.1222069856554242	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Glycyrrhiza glabra	Root	16799.0	107000.0	1.1262629729712743	--
Artocarpus altilis	Seed	15000.0	85850.0	1.142044191830733	USDA's Ag Handbook 8 and sequelae)
Cajanus cajan	Leaf		185000.0	1.1654519738670783	--
Oryza sativa	Plant	75000.0	185800.0	1.17044840101269	--
Aframomum melegueta	Fruit	42000.0	103000.0	1.1998930279336781	--
Brassica oleracea var. botrytis l.	Flower	6600.0	121250.0	1.2014906628657485	--
Acrocomia totai	Fruit		103200.0	1.205072097418895	--
Carica papaya	Seed		88000.0	1.2067110962539076	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Cuminum cyminum	Seed	58000.0	89000.0	1.2367887262181747	--
Prunus armeniaca	Fruit	7000.0	105000.0	1.2516837227858475	USDA's Ag Handbook 8 and sequelae)
Lycopersicon esculentum	Fruit	5700.0	105461.0	1.2636214779492727	--
Pisum sativum	Plant	60000.0	191000.0	1.2643915113553221	--
Zea mays	Seed	10000.0	90000.0	1.266866356182442	--
Foeniculum vulgare	Seed	9720.0	90000.0	1.266866356182442	--
Musa x paradisiaca	Shoot	11710.0	158300.0	1.290397476639	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.
Rheum rhabarbarum	Leaf	10000.0	194000.0	1.3240209249216413	--
Citrus paradisi	Fruit	3050.0	110000.0	1.381160459916271	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Cucumis melo	Fruit	6950.0	110000.0	1.381160459916271	--
Amorphophallus campanulatus	Shoot		163000.0	1.3992319336810395	--
Musa x paradisiaca	Hull Husk		121000.0	1.409427715949451	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Armoracia rusticana	Plant		200000.0	1.4269853561791084	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Avena sativa	Seed	19000.0	96000.0	1.4473321359680458	--
Rumex crispus	Leaf	15000.0	202703.0	1.4773571005914035	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Basella alba	Leaf	14000.0	202900.0	1.4808279987422646	--
Morus alba	Leaf	80000.0	204000.0	1.5002086483155999	--
Taraxacum officinale	Leaf	18000.0	205000.0	1.5178274206549958	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Anethum graveolens	Plant	26000.0	205880.0	1.5332133347973154	--
Phaseolus lunatus	Seed	15000.0	100000.0	1.5676426558251149	--
Pimpinella anisum	Seed	60000.0	100000.0	1.5676426558251149	--
Asparagus officinalis	Shoot	6000.0	171000.0	1.5844820733270641	--
Brassica pekinensis	Leaf	190000.0	210000.0	1.6059212823519753	--
Capparis spinosa	Flower	79000.0	140000.0	1.6289278252895272	--
Ipomoea aquatica	Leaf	13000.0	212500.0	1.649968213200465	--
Helianthus tuberosus	Tuber	11000.0	115500.0	1.67848958729065	--
Plectranthus amboinicus	Leaf	12000.0	214285.0	1.6814177218262865	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Blighia sapida	Seed	14000.0	104000.0	1.687953175682184	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Vigna mungo	Fruit		122000.0	1.6919046290292874	--
Cucurbita foetidissima	Leaf		215000.0	1.6940151440489546	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Plant	Part	Low PPM	High PPM	StdDev	Reference
Cyclanthera pedata	Fruit	7000.0	122800.0	1.7126209069701552	--
Aframomum melegueta	Seed	25000.0	105000.0	1.7180308056464513	Wealth of India.
Apium graveolens	Seed	6720.0	106294.0	1.7569512588202132	--
Zingiber officinale	Rhizome	7700.0	200000.0	1.829986028498204	--
Boehmeria nivea	Shoot	134000.0	182000.0	1.839201015340348	--
Brassica oleracea	Stem	7000.0	111110.0	1.8856973536198134	--
Ceiba pentandra	Wood		59000.0	1.989779114185175	--
Quercus alba	Bark	31008.0	136000.0	1.9960678681458295	--
Sonchus oleraceus	Leaf	16000.0	235000.0	2.046390590836872	--
Hordeum vulgare	Plant	61000.0	235000.0	2.0592947527160543	Jim Duke's personal files.*
Beta vulgaris	Root	7600.0	140000.0	2.0685940802719145	--
Symphytum officinale	Root		140000.0	2.0685940802719145	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Musa x paradisiaca	Sprout Seedling		143000.0	2.083258616176623	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Eryngium creticus	Shoot		194700.0	2.1332856120284123	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
Cichorium endivia	Leaf	13590.0	240000.0	2.1344844525338518	--
Amaranthus spinosus	Leaf	26000.0	240000.0	2.1344844525338518	--
Valeriana officinalis	Root	16874.0	143000.0	2.1542605445719727	--
Cucumis sativus	Fruit	3670.0	140000.0	2.158020882698812	--
Vigna unguiculata	Seed	16000.0	120000.0	2.1691952551104605	--
Momordica charantia	Fruit	4000.0	142000.0	2.2098115775509815	--
Caulophyllum thalictroides	Root	16060.0	146000.0	2.239927008872031	--
Xanthosoma sagittifolium	Root	6000.0	146000.0	2.239927008872031	--
Liquidambar styraciflua	Stem	20000.0	120000.0	2.258236056279434	--
Vigna aconitifolia	Fruit		144000.0	2.261602272403151	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Calathea macrosepala	Flower	13000.0	168830.0	2.2861552062323294	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Beta vulgaris	Leaf	15000.0	250000.0	2.3106721759278104	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Nicotiana tabacum	Leaf	120000.0	250000.0	2.3106721759278104	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Fucus vesiculosus	Plant	29500.0	250000.0	2.3302844940890313	--
Prunus persica	Fruit	4000.0	150000.0	2.416974356959659	--
Rumex crispus	Root	39321.0	153000.0	2.4398154255721667	--
Ipomoea batatas	Leaf	12000.0	259000.0	2.4692411269823733	--
Hordeum vulgare	Seed	9000.0	132000.0	2.530126814681668	Jim Duke's personal files.*
Phaseolus vulgaris	Fruit	6000.0	156000.0	2.572346441516167	--
Prunus domestica	Fruit	3810.0	170000.0	2.934881305481353	--
Spinacia oleracea	Plant	16850.0	285700.0	2.9752400785567166	--
Lactuca sativa	Leaf	7700.0	290000.0	3.0154230695036452	--
Tetragonia tetragonioides	Leaf	18000.0	300000.0	3.1916107928976043	--
Ribes uva-crispa	Fruit	4000.0	183000.0	3.271520822020454	--
Raphanus sativus	Root	10000.0	185700.0	3.373579886442801	--
Limonia acidissima	Fruit	19000.0	192300.0	3.5123475530830417	--
Physalis angulata	Fruit	20000.0	200000.0	3.711741728263894	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Opuntia ficus-indica	Seed	31700.0	241000.0	5.808588480786801	--
Olea europaea	Fruit	64000.0	294000.0	6.145904386315856	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Prosopis juliflora	Seed	35000.0	300000.0	7.583168648678571	--