

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for ASH

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Blighia sapida</i>	Aril	12000.0	449000.0	1.0	--
<i>Allium sativum</i> var. <i>sativum</i>	Bulb	10000.0	395000.0	1.0	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Prosopis juliflora</i>	Seed	35000.0	300000.0	7.583168648678571	--
<i>Tetragonia tetragonioides</i>	Leaf	18000.0	300000.0	3.1916107928976043	--
<i>Olea europaea</i>	Fruit	64000.0	294000.0	6.145904386315856	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Lactuca sativa</i>	Leaf	7700.0	290000.0	3.0154230695036452	--
<i>Spinacia oleracea</i>	Plant	16850.0	285700.0	2.9752400785567166	--
<i>Ipomoea batatas</i>	Leaf	12000.0	259000.0	2.4692411269823733	--
<i>Beta vulgaris</i>	Leaf	15000.0	250000.0	2.3106721759278104	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Fucus vesiculosus</i>	Plant	29500.0	250000.0	2.3302844940890313	--
<i>Nicotiana tabacum</i>	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.
<i>Opuntia ficus-indica</i>	Seed	31700.0	241000.0	5.808588480786801	--
<i>Cichorium endivia</i>	Leaf	13590.0	240000.0	2.1344844525338518	--
<i>Amaranthus spinosus</i>	Leaf	26000.0	240000.0	2.1344844525338518	--
<i>Sonchus oleraceus</i>	Leaf	16000.0	235000.0	2.046390590836872	--
<i>Opuntia ficus-indica</i>	Bud		235000.0	1.0	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
<i>Hordeum vulgare</i>	Plant	61000.0	235000.0	2.0592947527160543	Jim Duke's personal files.*
<i>Apium graveolens</i>	Pt	6000.0	219000.0	1.0411508948922918	--
<i>Cucurbita foetidissima</i>	Leaf		215000.0	1.6940151440489546	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Plectranthus amboinicus</i>	Leaf	12000.0	214285.0	1.6814177218262865	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Ipomoea aquatica</i>	Leaf	13000.0	212500.0	1.649968213200465	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Brassica pekinensis	Leaf	19000.0	210000.0	1.6059212823519753	--
Anethum graveolens	Plant	26000.0	205880.0	1.5332133347973154	--
Taraxacum officinale	Leaf	18000.0	205000.0	1.5178274206549958	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Morus alba	Leaf	80000.0	204000.0	1.5002086483155999	--
Basella alba	Leaf	14000.0	202900.0	1.4808279987422646	--
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.
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.
Zingiber officinale	Rhizome	7700.0	200000.0	1.829986028498204	--
Physalis angulata	Fruit	20000.0	200000.0	3.711741728263894	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.
Rheum rhabarbarum	Leaf	10000.0	194000.0	1.3240209249216413	--
Limonia acidissima	Fruit	19000.0	192300.0	3.5123475530830417	--
Pisum sativum	Plant	60000.0	191000.0	1.2643915113553221	--
Oryza sativa	Plant	75000.0	185800.0	1.17044840101269	--
Raphanus sativus	Root	10000.0	185700.0	3.373579886442801	--
Cajanus cajan	Leaf		185000.0	1.1654519738670783	--
Ribes uva-crispa	Fruit	4000.0	183000.0	3.271520822020454	--
Boehmeria nivea	Shoot	134000.0	182000.0	1.839201015340348	--
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	--
Chrysanthemum coronarium	Bud	13400.0	180110.0	-1.0	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Cichorium intybus	Leaf	6000.0	180000.0	1.0773581121700988	USDA's Ag Handbook 8 and sequelae)
Nasturtium officinale	Herb	13000.0	179000.0	1.0	--
Phaseolus lunatus	Leaf	5000.0	179000.0	1.059739339830703	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Anthriscus cerefolium	Leaf	166000.0	178950.0	1.0588584012137332	--
Phaseolus vulgaris	Leaf	26000.0	177000.0	1.0245017951519113	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Malva neglecta	Plant	172500.0	174500.0	0.9663027958450474	--
Artemisia vulgaris	Leaf	22000.0	173220.0	0.9579028357089948	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Chrysanthemum parthenium	Plant		171000.0	0.9030718561913528	--
Asparagus officinalis	Shoot	6000.0	171000.0	1.5844820733270641	--
Tanacetum parthenium	Plant		171000.0	0.9030718561913528	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
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)
Foeniculum vulgare	Plant	17000.0	170000.0	0.8850058734331543	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Prunus domestica	Fruit	3810.0	170000.0	2.934881305481353	--
Lepidium sativum	Leaf	18000.0	169800.0	0.897646634308261	--
Chrysanthemum coronarium	Leaf	11000.0	169230.0	0.8876039340748053	--
Calathea macrosepala	Flower	13000.0	168830.0	2.2861552062323294	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Malva parviflora	Plant	23000.0	168000.0	0.8488739079167574	--
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	--
Chamissoa altissima	Leaf	16670.0	166700.0	0.8430284400561338	Tramil
Valerianella locusta	Plant	12000.0	166666.0	0.8247738869173207	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Chenopodium ambrosioides</i>	Leaf	24000.0	166000.0	0.8306952994185566	--
<i>Cyamopsis tetragonoloba</i>	Leaf	144000.0	165000.0	0.8130765270791607	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Amorphophallus campanulatus</i>	Shoot		163000.0	1.3992319336810395	--
<i>Lycium chinense</i>	Leaf	17000.0	163000.0	0.777838982400369	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Boehmeria nivea</i>	Leaf	21000.0	161540.0	0.752115574784851	--
<i>Capsella bursa-pastoris</i>	Plant	19000.0	161000.0	0.7224120286093682	--
<i>Panicum maximum</i>	Leaf	7100.0	160000.0	0.7249826653821814	--
<i>Rheum rhabarbarum</i>	Pt	8000.0	160000.0	0.30828136199004014	--
<i>Portulaca oleracea</i>	Herb	14000.0	159090.0	-1.0	--
<i>Acalypha indica</i>	Leaf	31000.0	159000.0	0.7073638930427855	Wealth of India.
<i>Tridax procumbens</i>	Leaf		159000.0	0.7073638930427855	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Musa x paradisiaca</i>	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.
<i>Piper betel</i>	Leaf	23000.0	157500.0	0.6809357345336916	--
<i>Stellaria media</i>	Plant	13031.0	157000.0	0.6501480975765742	--
<i>Phaseolus vulgaris</i>	Fruit	6000.0	156000.0	2.572346441516167	--
<i>Colocasia esculenta</i>	Leaf	13000.0	155000.0	0.636888803685202	--
<i>Malva sylvestris</i>	Leaf	13000.0	155000.0	0.636888803685202	--
<i>Phytelephas aequatorialis</i>	Mesocarp	18200.0	154295.0		KOZIOL & PEDERSEN. 1993. PHYTELEPHAS AEQUATORIALIS(AREACEAE) IN HUMAN AND ANIMAL NUTRITION. ECON. BOT. 47:401-307.
<i>Carica papaya</i>	Leaf	22000.0	154000.0	0.619270031345806	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Peperomia pereskifolia</i>	Leaf	23000.0	153335.0	0.6075535477401078	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

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
Rumex crispus	Root	39321.0	153000.0	2.4398154255721667	--
Ocimum basilicum	Plant	20000.0	153000.0	0.5778841665437804	--
Corchorus olitorius	Leaf	15800.0	151000.0	0.5664137143276184	--
Arundo donax	Plant	92000.0	150000.0	0.5236862182691849	--
Centella asiatica	Leaf	16050.0	150000.0	0.5487949419882225	--
Prunus persica	Fruit	4000.0	150000.0	2.416974356959659	--
Mimulus glabratus	Shoot	15000.0	150000.0	1.0982004567562496	--
Chondrus crispus	Plant		150000.0	0.5236862182691849	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Momordica charantia	Leaf	21000.0	149000.0	0.5311761696488266	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
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.
Solanum melongena	Leaf	20000.0	147000.0	0.49593862497003494	--
Eryngium floridanum	Shoot		146900.0	1.026416027643415	--
Caulophyllum thalictroides	Root	16060.0	146000.0	2.239927008872031	--
Xanthosoma sagittifolium	Root	6000.0	146000.0	2.239927008872031	--
Cyrtosperma chamissonis	Leaf	16000.0	145545.0	0.4703033112162139	--
Vigna aconitifolia	Fruit		144000.0	2.261602272403151	--
Valeriana officinalis	Root	16874.0	143000.0	2.1542605445719727	--
Musa x paradisiaca	Sprout Seedling		143000.0	2.083258616176623	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Perilla frutescens</i>	Leaf	20000.0	143000.0	0.42546353561245137	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Momordica charantia</i>	Fruit	4000.0	142000.0	2.2098115775509815	--
<i>Mentha x piperita</i>	Leaf	21009.0	141000.0	0.3902259909336596	--
<i>Peperomia pelucida</i>	Leaf	11000.0	141000.0	0.3902259909336596	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Mentha spicata</i>	Plant	16000.0	140485.0	0.35178839232492654	--
<i>Capparis spinosa</i>	Flower	79000.0	140000.0	1.6289278252895272	--
<i>Beta vulgaris</i>	Root	7600.0	140000.0	2.0685940802719145	--
<i>Cucumis sativus</i>	Fruit	3670.0	140000.0	2.158020882698812	--
<i>Symphytum officinale</i>	Root		140000.0	2.0685940802719145	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Abelmoschus manihot</i>	Leaf	16100.0	138793.0	0.3513413603806129	--
<i>Vigna aconitifolia</i>	Leaf		138000.0	0.337369673915472	--
<i>Vigna aconitifolia</i>	Plant	126000.0	138000.0	0.30689442517080334	--
<i>Bromelia pinguin</i>	Shoot	10700.0	138000.0	0.8203252472872126	--
<i>Petroselinum crispum</i>	Plant	10823.0	137000.0	0.2888284424126049	--
<i>Quercus alba</i>	Bark	31008.0	136000.0	1.9960678681458295	--
<i>Manihot esculenta</i>	Leaf	27000.0	135000.0	0.28451335689728435	--
<i>Piper auritum</i>	Leaf	24000.0	135000.0	0.28451335689728435	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Crocus sativus</i>	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.
<i>Cnicus benedictus</i>	Plant	17689.0	133000.0	0.21656451137981103	--
<i>Mangifera indica</i>	Leaf	19000.0	133000.0	0.24927581221849263	--
<i>Capparis spinosa</i>	Leaf		132000.0	0.23165703987909675	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Hordeum vulgare</i>	Seed	9000.0	132000.0	2.530126814681668	Jim Duke's personal files.*

Plant	Part	Low PPM	High PPM	StdDev	Reference
Melilotus indica	Plant	85000.0	131000.0	0.1804325458634141	--
Thymus vulgaris	Plant	113681.0	130809.0	0.17698194315659818	USDA's Ag Handbook 8 and sequelae)
Cnidioscolus chayamansa	Leaf	17000.0	130000.0	0.196419495200305	--
Stevia rebaudiana	Leaf	63000.0	130000.0	0.196419495200305	--
Cucurbita maxima	Leaf	18200.0	129100.0	0.1805626000948487	--
Xanthosoma sagittifolium	Leaf	13000.0	129000.0	0.17880072286090912	--
Allium schoenoprasum	Leaf	4000.0	128000.0	0.16118195052151324	--
Thymus vulgaris	Leaf	21504.0	128000.0	0.16118195052151324	--
Aralia cordata	Leaf	6000.0	127660.0	0.15519156792611863	--
Myrica cerifera	Leaf		127000.0	0.14356317818211736	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Balanites aegyptiacus	Leaf		127000.0	0.14356317818211736	--
Vigna mungo	Plant		126000.0	0.09010263207242175	--
Euphrasia officinalis	Plant	19404.0	126000.0	0.09010263207242175	--
Murraya koenigii	Leaf	15000.0	125000.0	0.1083256335033256	--
Agave americana	Plant		124000.0	0.053970666556024824	--
Ricinus communis	Leaf		124000.0	0.09070686116392972	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Sesamum indicum	Leaf		124000.0	0.09070686116392972	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Origanum majorana	Plant	96900.0	123300.0	0.0413244786252859	--
Phaseolus acutifolius	Hay	92000.0	123000.0	1.0	--
Cyclanthera pedata	Fruit	7000.0	122800.0	1.7126209069701552	--
Vigna mungo	Fruit		122000.0	1.6919046290292874	--
Carthamus tinctorius	Plant	15000.0	122000.0	0.01783870103962789	--
Sechium edule	Leaf	21600.0	122000.0	0.05546931648513796	--
Brassica oleracea var. botrytis l.	Flower	6600.0	121250.0	1.2014906628657485	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
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.
Vigna unguiculata	Seed	16000.0	120000.0	2.1691952551104605	--
Liquidambar styraciflua	Stem	20000.0	120000.0	2.258236056279434	--
Glycine max	Plant	55000.0	119000.0	-0.036359247234967515	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Cenchrus biflorus	Shoot	77000.0	116000.0	0.3108873632606449	--
Arachis hypogaea	Plant	73000.0	116000.0	-0.09055719550956291	--
Commelina benghalensis	Leaf	16000.0	115940.0	-0.05130044389160106	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Helianthus tuberosus	Tuber	11000.0	115500.0	1.67848958729065	--
Azadirachta indica	Leaf		112000.0	-0.12071840690882082	--
Brassica oleracea	Stem	7000.0	111110.0	1.8856973536198134	--
Hibiscus sabdariffa	Leaf	10000.0	111000.0	-0.1383371792482167	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Rumex acetosa	Leaf	11000.0	110000.0	-0.15595595158761258	--
Citrus paradisi	Fruit	3050.0	110000.0	1.381160459916271	--
Salix alba	Bark	18480.0	110000.0	1.115087296711096	--
Carya glabra	Shoot	20000.0	110000.0	0.17194975852612646	--
Cucumis melo	Fruit	6950.0	110000.0	1.381160459916271	--
Brassica juncea	Leaf	10000.0	108695.0	-0.1789484494905242	--
Sechium edule	Shoot	8000.0	108100.0	0.1279528503601956	--
Phragmites australis	Shoot		108000.0	0.1256372236146203	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Zizyphus jujuba	Shoot		108000.0	0.1256372236146203	--
Glycyrrhiza glabra	Root	16799.0	107000.0	1.1262629729712743	--
Apium graveolens	Seed	6720.0	106294.0	1.7569512588202132	--
Cynara cardunculus	Flower	10600.0	106000.0	0.8538417707610751	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Equisetum arvense</i>	Plant	22684.0	106000.0	-0.2712170230915476	--
<i>Moringa oleifera</i>	Shoot	22600.0	105900.0	0.07700906195753883	USDA's Ag Handbook 8 and sequelae)
<i>Lycopersicon esculentum</i>	Fruit	5700.0	105461.0	1.2636214779492727	--
<i>Peganum harmala</i>	Plant	34000.0	105250.0	-0.28476651016019644	--
<i>Aframomum melegueta</i>	Seed	25000.0	105000.0	1.7180308056464513	Wealth of India.
<i>Prunus armeniaca</i>	Fruit	7000.0	105000.0	1.2516837227858475	USDA's Ag Handbook 8 and sequelae)
<i>Satureja hortensis</i>	Plant	21100.0	105000.0	-0.28928300584974603	--
<i>Albizia lebeck</i>	Leaf	101000.0	104000.0	-0.26166858562398787	Wealth of India.
<i>Blighia sapida</i>	Seed	14000.0	104000.0	1.687953175682184	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Acrocomia totai</i>	Fruit		103200.0	1.205072097418895	--
<i>Aframomum melegueta</i>	Fruit	42000.0	103000.0	1.1998930279336781	--
<i>Lantana camara</i>	Shoot		102900.0	0.007540259590279596	--
<i>Vigna unguiculata</i>	Shoot	10500.0	102740.0	0.0038352567973591037	--
<i>Vigna unguiculata</i>	Shoot	10500.0	102740.0	0.0038352567973591037	USDA's Ag Handbook 8 and sequelae)
<i>Tropaeolum majus</i>	Shoot	14000.0	102200.0	-0.008669127628747558	--
<i>Brassica oleracea</i> var. <i>botrytis</i> l.	Leaf	2800.0	101708.0	-0.30205081182588317	--
<i>Brassica oleracea</i> var. <i>italica</i>	Leaf	2800.0	101708.0	-0.30205081182588317	--
<i>Rhizophora mangle</i>	Leaf	89000.0	101000.0	-0.3145249026421755	--
<i>Humulus lupulus</i>	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.
<i>Berberis vulgaris</i>	Bark		100000.0	0.7762486153900449	--
<i>Medicago sativa</i>	Plant	18800.0	100000.0	-0.3796129196407384	--
<i>Ferula assa-foetida</i>	Plant	15000.0	100000.0	-0.3796129196407384	--
<i>Phaseolus lunatus</i>	Seed	15000.0	100000.0	1.5676426558251149	--
<i>Apium graveolens</i>	Root	8300.0	100000.0	0.9263745562711385	ACTA AGRIC SCAND SUPPL 22: 1980
<i>Pimpinella anisum</i>	Seed	60000.0	100000.0	1.5676426558251149	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Berberis vulgaris</i>	Root		100000.0	0.9263745562711385	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Achillea millefolium</i>	Plant	17700.0	100000.0	-0.3796129196407384	--
<i>Brassica nigra</i>	Leaf	5830.0	99722.0	-0.3370416936919234	USDA's Ag Handbook 8 and sequelae)
<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>Psophocarpus tetragonolobus</i>	Leaf	19000.0	99360.0	-0.34341968927878475	--
<i>Cassia tora</i>	Sprout Seedling		99000.0	0.9199790131216808	--
<i>Senna alexandrina</i>	Leaf	20097.0	99000.0	-0.34976244732096723	--
<i>Cucurbita pepo</i>	Flower	4800.0	98970.0	0.6935813306629863	USDA's Ag Handbook 8 and sequelae)
<i>Brassica oleracea</i> var. <i>sabellica</i> l.	Leaf	15000.0	98500.0	-0.3585718334906652	--
<i>Brassica oleracea</i> var. <i>capitata</i> l.	Leaf	6000.0	98072.0	-0.3661126680519266	--
<i>Acacia catechu</i>	Leaf		98000.0	-0.36738121966036313	--
<i>Brassica oleracea</i> var. <i>gemmifera</i>	Leaf	13700.0	97818.0	-0.37058783622613317	USDA's Ag Handbook 8 and sequelae)
<i>Ocimum tenuiflorum</i>	Plant		97500.0	-0.42477787653623456	--
<i>Ageratum conyzoides</i>	Plant		97200.0	-0.4301976713636941	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Vanilla planifolia</i>	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.
<i>Lagenaria siceraria</i>	Fruit	4300.0	96400.0	1.0289837349215192	--
<i>Erythroxylum coca</i>	Leaf	46000.0	96250.0	-0.3982140712543059	--
<i>Cucurbita</i> spp	Fruit	5550.0	96045.0	1.0197908865852592	--
<i>Prunus serotina</i>	Leaf	29000.0	96000.0	-0.4026187643391549	--
<i>Avena sativa</i>	Seed	19000.0	96000.0	1.4473321359680458	--
<i>Scutellaria lateriflora</i>	Plant	13152.0	96000.0	-0.4518768506735323	--
<i>Rhus copallina</i>	Leaf	27000.0	96000.0	-0.4026187643391549	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Cucurbita pepo	Fruit	7500.0	95238.0	0.9988933412124088	--
Cucurbita foetidissima	Fruit		95000.0	0.9927302485250006	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
Pothomorphe sp.	Leaf	17000.0	95000.0	-0.42023753667855074	--
Anogeissus latifolia	Leaf		95000.0	-0.42023753667855074	--
Pereskia aculeata	Fruit	3000.0	94000.0	0.9668349010989159	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Anredera baselloides	Tuber	14000.0	93335.0	0.8908401351238305	Wealth of India.
Foeniculum vulgare	Fruit	79600.0	93026.0	0.9416128327059095	--
Trichosanthes anguina	Fruit	5000.0	92590.0	0.9303224612281364	--
Pteridium aquilinum	Rhizome	83000.0	92222.0	-0.2727852331304965	--
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.
Nyssa sylvatica	Leaf	25000.0	91000.0	-0.49071262603613425	--
Theobroma cacao	Fruit	38000.0	90475.0	0.8755538014219674	J Cell Biochem VOL. 22=1995
Brassica oleracea var. viridis l.	Leaf	5500.0	90145.0	-0.5057766763863177	--
Santalum acuminatum	Fruit	21000.0	90130.0	0.8666199065599681	--
Turnera diffusa	Leaf	18900.0	90000.0	-0.5083313983755301	--
Allium cepa	Leaf	7000.0	90000.0	-0.5083313983755301	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
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
Zea mays	Seed	10000.0	90000.0	1.266866356182442	--
Carya ovata	Shoot	25000.0	90000.0	-0.2911755905889351	--
Foeniculum vulgare	Seed	9720.0	90000.0	1.266866356182442	--
Vetiveria zizanioides	Leaf	53000.0	90000.0	-0.5083313983755301	--
Theobroma bicolor	Fruit	7000.0	89060.0	0.8389118848140575	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Cuminum cyminum	Seed	58000.0	89000.0	1.2367887262181747	--
Cuminum cyminum	Fruit	58000.0	89000.0	0.8373581639684924	--
Pimenta dioica	Leaf	76000.0	89000.0	-0.525950170714926	--
Vitis vinifera	Stem		88000.0	0.9172643481683129	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Musa x paradisiaca	Leaf		88000.0	-0.5435689430543219	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
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.
Symphoricarpos orbiculatus	Stem	38000.0	88000.0	0.9172643481683129	--
Juniperus virginiana	Shoot	38000.0	88000.0	-0.33748812550044127	--
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.
Colubrina texensis	Shoot		87000.0	-0.360644392956194	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Acacia tortilis	Leaf		87000.0	-0.5611877153937178	--
Salvia officinalis	Leaf	13659.0	87000.0	-0.5611877153937178	--
Brassica rapa	Root	7000.0	86000.0	0.5265977228708666	--
Larrea tridentata	Plant	28294.0	86000.0	-0.632536678255517	--
Verbascum thapsus	Leaf	37840.0	86000.0	-0.5788064877331136	--
Zizyphus jujuba	Leaf		86000.0	-0.5788064877331136	--
Humulus lupulus	Flower	15996.0	86000.0	0.3979087975090442	--
Artocarpus altilis	Seed	15000.0	85850.0	1.142044191830733	USDA's Ag Handbook 8 and sequelae)
Trachyspermum ammi	Fruit	79000.0	85313.0	0.7418820180085182	--
Prosopis juliflora	Leaf		85000.0	-0.5964252600725095	--
Perilla frutescens	Seed	10000.0	85000.0	1.1164782063611056	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Solanum tuberosum	Tuber	8100.0	85000.0	0.5946498268084486	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Olea europaea</i>	Twig		85000.0		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Acacia senegal</i>	Leaf		84000.0	-0.6140440324119054	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Urtica dioica</i>	Leaf	16800.0	84000.0	-0.6140440324119054	--
<i>Anethum graveolens</i>	Seed	64000.0	84000.0	1.0864005763968383	--
<i>Quercus stellata</i>	Stem	25000.0	84000.0	0.7496428846544227	--
<i>Anethum graveolens</i>	Fruit	64000.0	84000.0	0.707881426838069	--
<i>Tabebuia heptaphylla</i>	Bark	14857.0	83000.0	0.20022285714425767	--
<i>Cedrela odorata</i>	Seed		83000.0	1.0563229464325712	--
<i>Moringa oleifera</i>	Fruit	9700.0	82200.0	0.6612698014711165	USDA's Ag Handbook 8 and sequelae)
<i>Physalis ixocarpa</i>	Fruit	6000.0	82000.0	0.6560907319858995	--
<i>Gentiana lutea</i>	Root	18040.0	82000.0	0.41237577047078894	--
<i>Liquidambar styraciflua</i>	Leaf	40000.0	82000.0	-0.6492815770906971	--
<i>Ceiba pentandra</i>	Seed	61000.0	82000.0	1.0262453164683039	--
<i>Avena sativa</i>	Plant	18040.0	82000.0	-0.7048006092883108	--
<i>Dioscorea villosa</i>	Root	19680.0	82000.0	0.41237577047078894	--
<i>Agathosma betulina</i>	Leaf		81000.0	-0.666900349430093	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Rumex acetosella</i>	Shoot		81000.0	-0.4995819976907125	--
<i>Barosma betulina</i>	Leaf		81000.0	-0.666900349430093	--
<i>Sida rhombifolia</i>	Leaf	16000.0	81000.0	-0.666900349430093	--
<i>Abrus precatorius</i>	Leaf	17000.0	81000.0	-0.666900349430093	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Balanites aegyptiacus</i>	Fruit	52000.0	81000.0	0.6301953845598148	--
<i>Hordeum vulgare</i>	Stem		81000.0	0.6239267870190052	--
<i>Psophocarpus tetragonolobus</i>	Seed	6120.0	80863.0	0.9920470511989319	--
<i>Astragalus membranaceus</i>	Root	12800.0	80000.0	0.35526479427075014	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Taraxacum officinale	Root	11440.0	80000.0	0.35526479427075014	--
Althaea officinalis	Root	8640.0	80000.0	0.35526479427075014	--
Luffa aegyptiaca	Fruit	4000.0	80000.0	0.6043000371337302	--
Cuscuta europaea	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.
Cyamopsis tetragonoloba	Shoot	75000.0	80000.0	-0.5227382651464656	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Solanum melongena	Fruit	5000.0	80000.0	0.6043000371337302	--
Terminalia bellirica	Leaf	49000.0	80000.0	-0.6845191217694889	--
Rubus idaeus	Leaf	13520.0	80000.0	-0.6845191217694889	--
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	--
Origanum vulgare	Plant	69000.0	79720.0	-0.7459910499770033	USDA's Ag Handbook 8 and sequelae)
Daucus carota	Root	56000.0	79000.0	0.32670930617073074	--
Trifolium pratense	Shoot		79000.0	-0.5458945326022187	--
Oenothera biennis	Seed	47800.0	78000.0	0.9059347966112347	--
Elytrigia repens	Plant	61000.0	78000.0	-0.7770645403211047	--
Pimpinella anisum	Fruit	66000.0	77000.0	0.526613994855476	--
Vitis vinifera	Fruit	4290.0	77000.0	0.526613994855476	--
Amorphophallus konjac	Leaf	2000.0	77000.0	-0.7373754387876765	--
Betula lenta	Leaf		77000.0	-0.7373754387876765	Jim Duke's personal files.*
Benincasa hispida	Fruit	3000.0	76925.0	0.5246718437985197	--
Rhynchosia minima	Shoot		76900.0	-0.5945226942593	--
Erythrina berteroana	Shoot	12000.0	76000.0	-0.6153633349694778	--
Erythrina fusca	Leaf	14000.0	76000.0	-0.7549942111270724	--
Quercus alba	Stem	20000.0	76000.0	0.41439995762664245	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Ulmus rubra	Bark	12464.0	76000.0	-0.03696421978047823	--
Rosmarinus officinalis	Plant	23500.0	75570.0	-0.820964878423527	USDA's Ag Handbook 8 and sequelae)
Papaver somniferum	Seed	65450.0	75060.0	0.8175065645162889	--
Ribes rubrum	Fruit	6000.0	75000.0	0.47482330000330664	--
Robinia pseudoacacia	Leaf	61000.0	75000.0	-0.7726129834664683	--
Solanum torvum	Fruit	11000.0	75000.0	0.47482330000330664	--
Vigna subterranea	Plant		75000.0	-0.8312624885957001	--
Guarea rusbyi	Bark		75000.0	-0.07084808791258336	--
Allium ampeloprasum	Leaf	8000.0	75000.0	-0.7726129834664683	--
Pterocarpus marsupium	Leaf		75000.0	-0.7726129834664683	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
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
Tamarindus indica	Leaf	26000.0	73000.0	-0.80785052814526	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Solanum quitoensis	Fruit	6000.0	73000.0	0.4230326051511373	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Mentha pulegium	Plant		73000.0	-0.867394454112097	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
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.
Linum usitatissimum	Hay	62000.0	72000.0	-1.0	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Morus alba	Fruit	7000.0	72000.0	0.39713725772505254	--
Inula helenium	Root	15840.0	72000.0	0.12682088947059497	--
Chrysanthemum cinerariifolium	Shoot		71000.0	-0.7311446722482432	--
Eriodictyon californicum	Leaf	15620.0	71000.0	-0.8430880728240518	--
Bupleurum chinense	Root	7810.0	71000.0	0.09826540137057557	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
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
Luffa aegyptiaca	Leaf	7000.0	71000.0	-0.8430880728240518	--
Harpagophytum procumbens	Root	13490.0	71000.0	0.09826540137057557	--
Mimosa pudica	Leaf	5000.0	71000.0	-0.8430880728240518	--
Alpinia galanga	Rhizome	10000.0	71000.0	-0.6868308798699451	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Cyphomandra betacea	Fruit	6100.0	71000.0	0.37124191029896786	--
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.
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.
Abelmoschus esculentus	Fruit	7000.0	70000.0	0.3453465628728832	USDA's Ag Handbook 8 and sequelae)
Cucurbita pepo	Seed	47530.0	70000.0	0.6653137568970965	--
Phyllanthus acidus	Fruit	4000.0	70000.0	0.3453465628728832	--
Polygonum multiflorum	Root		70000.0	0.06970991327055617	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Quisqualis indica	Seed	65000.0	69519.0	0.6508464168842839	--
Gliricidia sepium	Flower	6000.0	69000.0	0.01036577024481813	--
Parthenium integrifolium	Root	11040.0	69000.0	0.041154425170536774	--
Pteridium aquilinum	Leaf	6000.0	68965.0	-0.8789422745347224	--
Averrhoa bilimbi	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.
Sassafras albidum	Leaf	33000.0	68000.0	-0.8959443898422395	--
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.
Nelumbo nucifera	Rhizome	9700.0	68000.0	-0.7453615056459485	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Rosa canina	Fruit	12716.0	68000.0	0.29355586802071376	--
Annona glabra	Fruit	9000.0	68000.0	0.29355586802071376	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Carum carvi	Fruit	56460.0	67620.0	0.28371563599880156	--
Carum carvi	Seed	55000.0	67620.0	0.5937289975821403	--
Rhus glabra	Stem	21000.0	67000.0	0.03725166472038957	--
Polymnia edulis	Root	3000.0	67000.0	-0.01595655102950202	--
Eupatorium perfoliatum	Plant	6030.0	67000.0	-0.9757903506612878	--
Frangula purshiana	Bark	18559.0	67000.0	-0.3419190329694244	--
Morinda citrifolia	Leaf	15000.0	67000.0	-0.9135631621816354	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Quercus rubra	Stem	20000.0	66000.0	-0.004653701158082971	--
Artemisia absinthium	Seed		66000.0	0.5450032370400273	--
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	--
Tilia sp.	Fruit	21000.0	66000.0	0.24176517316854437	--
Balanites aegyptiacus	Shoot		66000.0	-0.8469260095270086	--
Calotropis sp.	Seed		65500.0	0.5299644220578936	--
Yucca baccata	Root	13520.0	65000.0	-0.07306752722954081	--
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	--
Capsicum frutescens	Fruit	6000.0	65000.0	0.21586982574245966	--
Bixa orellana	Fruit	10000.0	64100.0	0.19256401305898344	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Citrus mitis	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
Colocasia esculenta	Root	8000.0	63000.0	-0.13017850342957962	--
Allium cepa	Bulb	4000.0	63000.0	-1.0	--
Smilax spp	Root	13230.0	63000.0	-0.13017850342957962	--
Silybum marianum	Plant		63000.0	-1.0480542816940817	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Ruscus aculeatus	Root	19026.0	63000.0	-0.13017850342957962	--
Prunus persica	Bark		63000.0	-0.4774545054978449	--
Silybum marianum	Leaf	13860.0	63000.0	-0.9840382515392189	--
Smilax officinalis	Root	13230.0	63000.0	-0.13017850342957962	--
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	--
Citrus mitis	Fruit Juice	6200.0	62000.0		Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Chamaemelum nobile	Flower		62000.0	-0.1492107703933926	--
Quercus velutina	Stem	24000.0	62000.0	-0.17227516467197312	--
Phaseolus vulgaris	Seed	17000.0	62000.0	0.4246927171829582	--
Passiflora ligularis	Fruit	8700.0	61900.0	0.1355942487215971	--
Ribes nigrum	Fruit	8050.0	61100.0	0.11487797078072934	--
Phaseolus coccineus	Seed	28000.0	61000.0	0.39461508721869093	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Phaseolus lunatus	Sprout Seedling	22000.0	61000.0	-0.08467155315304167	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Glycine max	Seed	17000.0	61000.0	0.39461508721869093	--
Olea europaea	Leaf		61000.0	-1.0192757962180106	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Paullinia yoko	Bark		61000.0	-0.5452222417620551	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Rhus copallina	Stem	25000.0	61000.0	-0.21418053055044567	--
Lepidium sativum	Seed	57000.0	60440.0	0.3777716144387012	--
Eleutherococcus senticosus	Root	12600.0	60000.0	-0.2158449677296378	--
Stachys officinalis	Plant	10080.0	60000.0	-1.102252229968677	--
Piper nigrum	Fruit	42932.0	60000.0	0.08639308861203618	--
Croton tiglium	Seed	40000.0	60000.0	0.3645374572544236	--
Myrica cerifera	Bark	13080.0	60000.0	-0.5791061098941602	--
Eleocharis dulcis	Tuber	11000.0	60000.0	-0.2937434194884379	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Gymnema sylvestre	Leaf	11400.0	60000.0	-1.0368945685574065	--
Cinchona spp	Seed		60000.0	0.3645374572544236	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Phytelephas aequatorialis	Seed	7300.0	59400.0	0.34649087927586325	KOZIOL & PEDERSEN. 1993. PHYTELEPHAS AEQUATORIALIS(ARECACEAE) IN HUMAN AND ANIMAL NUTRITION. ECON. BOT. 47:401-307.
Sterculia urens	Gum		59200.0	1.0	--
Muntingia calabura	Fruit	12000.0	59000.0	0.06049774118595147	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Phoradendron serotinum	Leaf		59000.0	-1.0545133408968024	--
Acacia tortilis	Seed		59000.0	0.33445982729015633	--
Ceiba pentandra	Wood		59000.0	1.989779114185175	--
Armoracia rusticana	Root	10620.0	59000.0	-0.2444004558296572	--
Tetrapanax papyrifera	Pith		59000.0	1.0	--
Carica pentagona	Fruit	4000.0	58825.0	0.05596605538638665	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
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.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Cypripedium pubescens	Root		58000.0	-0.2729559439296766	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Acacia senegal	Seed		58000.0	0.30438219732588906	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Cajanus cajan	Plant		58000.0	-1.138384195485074	--
Casimiroa edulis	Seed	11000.0	58000.0	0.30438219732588906	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Phragmites australis	Rhizome		58000.0	-0.94046359156596	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Elettaria cardamomum	Seed		58000.0	0.30438219732588906	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
Glycine max	Sprout Seedling	8000.0	58000.0	-0.16398607154315134	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Vicia faba	Seed	11000.0	57900.0	0.3013744343294623	USDA's Ag Handbook 8 and sequelae)
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.
Sorbus aucubaria	Fruit	7300.0	57690.0	0.026574836057780517	--
Sechium edule	Fruit	4000.0	57145.0	0.012461871710564358	--
Tropaeolum tuberosum	Root	4000.0	57000.0	-0.301511432029696	--
Acacia tortilis	Fruit	51000.0	57000.0	0.008707046333782076	--
Ficus carica	Fruit	5000.0	57000.0	0.008707046333782076	--
Oryza sativa	Seed	7000.0	57000.0	0.2743045673616218	--
Lablab purpureus	Fruit	10000.0	56818.0	0.0039940931022346615	--
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.
Brosimum alicastrum	Fruit	9000.0	56250.0	-0.010714464235781446	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Plant	Part	Low PPM	High PPM	StdDev	Reference
Vigna aconitifolia	Seed	35000.0	56000.0	0.24422693739735452	--
Ephedra sinica	Plant	11760.0	56000.0	-1.174516161001471	--
Angelica sinensis	Root	12320.0	56000.0	-0.3300669201297154	--
Persea americana	Fruit	6000.0	56000.0	-0.017188301092302623	--
Pisum sativum	Fruit	5600.0	55391.0	-0.032958567674788206	--
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.
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.
Schinus molle	Fruit		54700.0	-0.05085225274621273	--
Brassica nigra	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.
Bixa orellana	Seed	47000.0	54000.0	0.18407167746881994	--
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	--
Prunus serotina	Stem	1900.0	54000.0	-0.5075180916997535	--
Hydrangea arborescens	Root	18900.0	54000.0	-0.3871778963297542	--
Mimosa pudica	Seed	36000.0	54000.0	0.18407167746881994	--
Viscum album	Leaf		54000.0	-1.1426072025937817	--
Gleditsia triacanthos	Fruit		54000.0	-0.06897899594447202	--
Diospyros virginiana	Stem	22000.0	54000.0	-0.5075180916997535	--
Acacia nilotica	Seed	40000.0	54000.0	0.18407167746881994	--
Acacia farnesiana	Leaf	10000.0	53800.0	-1.146130957061661	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Phaseolus vulgaris	Sprout Seedling	5000.0	53763.0	-0.2760046096827829	USDA's Ag Handbook 8 and sequelae)
Vigna radiata	Sprout Seedling	3750.0	53025.0	-0.2955159812067499	USDA's Ag Handbook 8 and sequelae)

Plant	Part	Low PPM	High PPM	StdDev	Reference
Canavalia ensiformis	Fruit	6000.0	53000.0	-0.09487434337055671	--
Nigella sativa	Seed	38000.0	53000.0	0.15399404750455267	--
Canna indica	Root	9000.0	53000.0	-0.4157333844297736	--
Lawsonia inermis	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.
Lablab purpureus	Seed	6400.0	52762.0	0.14683557157305704	--
Limonia acidissima	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.
Fragaria spp	Fruit	3900.0	52065.0	-0.1190864932139459	--
Averrhoa carambola	Fruit	2600.0	52000.0	-0.12076969079664142	--
Liquidambar styraciflua	Seed		52000.0	0.12391641754028537	--
Allium sativum var. sativum	Flower	6000.0	52000.0	-0.3771772570194079	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Nelumbo nucifera	Seed	9000.0	52000.0	0.12391641754028537	--
Glycine max	Fruit	16000.0	52000.0	-0.12076969079664142	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Capsicum annuum	Fruit	13416.0	52000.0	-0.12076969079664142	--
Spondias pinnata	Fruit	5000.0	52000.0	-0.12076969079664142	--
Cajanus cajan	Fruit	13000.0	51000.0	-0.1466650382227261	--
Elaeagnus commutata	Fruit	7000.0	51000.0	-0.1466650382227261	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
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.
Sclerocarya caffra	Seed	48000.0	50000.0	0.06376115761175082	--
Nepeta cataria	Plant	6000.0	50000.0	-1.2829120575506618	--
Corylus avellana	Seed	17000.0	50000.0	0.06376115761175082	--
Lepidium meyenii	Root		50000.0	-0.5013998487298318	--
Panax ginseng	Root	10600.0	50000.0	-0.5013998487298318	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Arctostaphylos uva-ursi	Leaf	5800.0	50000.0	-1.2130822919513653	--
Diospyros virginiana	Leaf		50000.0	-1.2130822919513653	--
Medicago sativa	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.
Vigna unguiculata	Fruit	6000.0	49383.0	-0.18853781501070507	USDA's Ag Handbook 8 and sequelae)
Hydnocarpus kurzii	Seed		49300.0	0.04270681663676372	--
Helianthus annuus	Seed	26000.0	49300.0	0.04270681663676372	--
Sinapis alba	Seed	44145.0	49280.0	0.04210526403747837	--
Cucurbita foetidissima	Root		49000.0	-0.5299553368298512	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
Linum usitatissimum	Seed	26000.0	49000.0	0.03368352764748354	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Oxalis tuberosa	Root	8000.0	49000.0	-0.5299553368298512	--
Lobelia inflata	Leaf	5537.0	49000.0	-1.2307010642907612	--
Zizyphus spina-christi	Fruit	44000.0	49000.0	-0.1984557330748955	--
Sambucus nigra	Fruit	8600.0	48765.0	-0.2045411397200254	--
Senna obtusifolia	Seed	42000.0	48100.0	0.006613660679642982	--
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.
Prunus cerasus	Fruit	4000.0	48000.0	-0.2243510805009802	--
Cucurbita foetidissima	Seed	31000.0	48000.0	0.003605897683216254	--
Prosopis juliflora	Fruit		48000.0	-0.2243510805009802	--
Ginkgo biloba	Leaf	11520.0	48000.0	-1.248319836630157	--
Vaccinium myrtillus	Fruit	3840.0	48000.0	-0.2243510805009802	--
Canavalia ensiformis	Seed	29000.0	48000.0	0.003605897683216254	--
Eruca sativa	Seed		48000.0	0.003605897683216254	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Sicana odorifera</i>	Fruit	6000.0	47620.0	-0.23419131252289238	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Abelmoschus esculentus</i>	Seed		47400.0	-0.014440680295344115	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Pinus pinea</i>	Seed	43000.0	47155.0	-0.0218096996365896	--
<i>Gossypium</i> sp	Seed	34100.0	47000.0	-0.026471732281051027	--
<i>Robinia pseudoacacia</i>	Seed	40000.0	47000.0	-0.026471732281051027	--
<i>Physalis peruviana</i>	Fruit	8000.0	47000.0	-0.2502464279270649	--
<i>Syzygium malaccense</i>	Fruit	1000.0	47000.0	-0.2502464279270649	--
<i>Psophocarpus tetragonolobus</i>	Tuber	20000.0	46948.0	-0.7575557655151164	--
<i>Pachyrhizus erosus</i>	Tuber	5000.0	46080.0	-0.7884007790265444	--
<i>Cajanus cajan</i>	Seed	14000.0	46000.0	-0.056549362245318306	--
<i>Schisandra chinensis</i>	Fruit	6900.0	46000.0	-0.2761417753531496	--
<i>Licania platypus</i>	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.
<i>Vigna unguiculata</i>	Seed	39270.0	45132.0	-0.0826567450543023	USDA's Ag Handbook 8 and sequelae)
<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>Trifolium pratense</i>	Flower	8100.0	45000.0	-0.5367537976576187	--
<i>Phoenix dactylifera</i>	Fruit	5000.0	44800.0	-0.30721619226445124	--
<i>Pueraria montana</i>	Root	14000.0	44600.0	-0.6555994844699365	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Theobroma angustifolium</i>	Seed	18200.0	44600.0	-0.0986580441952925	--
<i>Cichorium intybus</i>	Root	8900.0	44500.0	-0.6584550332799385	--
<i>Lagenaria siceraria</i>	Seed		44300.0	-0.10768133318457268	--
<i>Dioscorea pentaphylla</i>	Root	8200.0	44180.0	-0.6675927894719447	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Aegle marmelos	Fruit	10400.0	44155.0	-0.32391869135427587	--
Nyssa sylvatica	Stem	15000.0	44000.0	-0.9265717504844788	--
Spartium junceum	Stem		44000.0	-0.9265717504844788	--
Mucuna pruriens	Seed	30000.0	44000.0	-0.11670462217385287	--
Castanea sativa	Leaf		44000.0	-1.3187949259877405	--
Ullucus tuberosus	Root	6000.0	44000.0	-0.6727327773299482	--
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	--
Indigofera tinctoria	Leaf		44000.0	-1.3187949259877405	--
Psidium guajava	Fruit	4300.0	43200.0	-0.34864874814618674	--
Pisum sativum	Seed	8280.0	43138.0	-0.14263153920305127	--
Spirulina spp.	Plant		43000.0	-1.4093739368580511	--
Malus domestica	Fruit	2300.0	43000.0	-0.3538278176314037	--
Terminalia catappa	Seed	24000.0	43000.0	-0.14678225213812016	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Cymbopogon citratus	Plant		43000.0	-1.4093739368580511	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
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
Ilex paraguariensis	Leaf		42500.0	-1.3452230844968343	--
Quercus phellos	Stem	14000.0	42000.0	-1.010382482241424	--
Albizia lebbeck	Seed		42000.0	-0.17685988210238743	Wealth of India.
Arundo donax	Stem		42000.0	-1.010382482241424	--
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	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Pinus echinata</i>	Shoot	17000.0	42000.0	-1.4026764284650826	--
<i>Asclepias syriaca</i>	Seed	37000.0	42000.0	-0.17685988210238743	--
<i>Malpighia glabra</i>	Fruit	2000.0	42000.0	-0.3797231650574884	--
<i>Mirabilis expansa</i>	Root	7000.0	42000.0	-0.729843753529987	--
<i>Theobroma bicolor</i>	Seed	33000.0	41725.0	-0.18513123034256093	--
<i>Actinidia chinensis</i>	Fruit	4500.0	41600.0	-0.3900813040279223	--
<i>Cnicus benedictus</i>	Seed		41000.0	-0.20693751206665473	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Melilotus alba</i>	Seed		41000.0	-0.20693751206665473	--
<i>Trifolium pratense</i>	Seed		41000.0	-0.20693751206665473	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
<i>Abies spectabilis</i>	Leaf		40600.0	-1.3786987519416865	Wealth of India.
<i>Pyrus communis</i>	Fruit	2720.0	40000.0	-0.4315138599096578	--
<i>Phaseolus lunatus</i>	Fruit		40000.0	-0.4315138599096578	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Vaccinium macrocarpon</i>	Fruit	4800.0	40000.0	-0.4315138599096578	--
<i>Syzygium cumini</i>	Fruit	3000.0	40000.0	-0.4315138599096578	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Annona squamosa</i>	Fruit	7000.0	40000.0	-0.4315138599096578	--
<i>Quercus suber</i>	Cork	1000.0	40000.0		--
<i>Platonia insignis</i>	Fruit	10000.0	40000.0	-0.4315138599096578	--
<i>Gleditsia triacanthos</i>	Seed	38000.0	40000.0	-0.237015142030922	--
<i>Anacardium occidentale</i>	Leaf	12000.0	40000.0	-1.3892700153453241	--
<i>Tamarindus indica</i>	Fruit	27000.0	39358.0	-0.44813867295720416	USDA's Ag Handbook 8 and sequelae)
<i>Sophora japonica</i>	Seed		39000.0	-0.26709277199518927	--
<i>Trigonella foenum-graecum</i>	Seed	5070.0	39000.0	-0.26709277199518927	--
<i>Azadirachta indica</i>	Fruit		39000.0	-0.4574092073357425	--
<i>Lupinus mutabilis</i>	Seed	35000.0	39000.0	-0.26709277199518927	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Crescentia alata</i>	Seed	38000.0	39000.0	-0.26709277199518927	--
<i>Hylocereus guatemalensis</i>	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.
<i>Persea schiedeana</i>	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.
<i>Canarium indicum</i>	Seed		38500.0	-0.28213158697732293	--
<i>Hylocereus undatus</i>	Fruit	6000.0	38460.0	-0.47139269494582825	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Theobroma speciosum</i>	Fruit	15000.0	38460.0	-0.47139269494582825	J Cell Biochem VOL. 22=1995
<i>Murraya</i> sp	Fruit	10090.0	38333.0	-0.474681404068941	--
<i>Musa x paradisiaca</i>	Fruit	10090.0	38333.0	-0.474681404068941	USDA's Ag Handbook 8 and sequelae)
<i>Hydnocarpus wightiana</i>	Seed		38300.0	-0.28814711297017637	--
<i>Acacia decurrens</i>	Seed		38000.0	-0.29717040195945654	--
<i>Cytisus scoparius</i>	Seed		38000.0	-0.29717040195945654	--
<i>Carthamus tinctorius</i>	Flower	5320.0	38000.0	-0.6963303382958294	--
<i>Ginkgo biloba</i>	Seed	14000.0	38000.0	-0.29717040195945654	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Annona muricata</i>	Fruit	5000.0	38000.0	-0.4833045547618272	--
<i>Pouteria viridis</i>	Fruit	12000.0	37975.0	-0.4839519384474793	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Vigna angularis</i>	Seed	32600.0	37622.0	-0.3085397460859496	--
<i>Vigna radiata</i>	Seed	32210.0	37609.0	-0.3089307552754851	USDA's Ag Handbook 8 and sequelae)
<i>Chrysophyllum cainito</i>	Seed		37500.0	-0.3122092169415902	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
<i>Coffea arabica</i>	Seed		37400.0	-0.31521697993801695	--
<i>Artocarpus heterophyllus</i>	Fruit	10000.0	37355.0	-0.5000070538516518	--
<i>Genipa americana</i>	Fruit	2000.0	37000.0	-0.5091999021879119	--
<i>Lantana camara</i>	Fruit		37000.0	-0.5091999021879119	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Passiflora quadrangularis	Seed	8000.0	37000.0	-0.3272480319237238	--
Sassafras albidum	Stem	11000.0	37000.0	-1.2199093116337867	--
Maranta arundinacea	Root	9000.0	37000.0	-0.872621194030084	--
Pachira macrocarpa	Seed	35000.0	37000.0	-0.3272480319237238	--
Citrus sinensis	Fruit	4100.0	36920.0	-0.5112715299819987	--
Mangifera indica	Seed		36600.0	-0.33927908390943073	--
Lupinus albus	Seed	32800.0	36580.0	-0.3398806365087161	--
Ipomoea batatas	Root	7000.0	36064.0	-0.8993491308917021	--
Aleurites moluccana	Seed	30000.0	36000.0	-0.35732566188799114	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Symphytum officinale	Leaf	3960.0	36000.0	-1.4597451047029075	--
Vigna mungo	Seed	32000.0	36000.0	-0.35732566188799114	--
Kalmia latifolia	Leaf		36000.0	-1.4597451047029075	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Ananas comosus	Fruit	2800.0	36000.0	-0.5350952496139966	--
Cornus florida	Seed		36000.0	-0.35732566188799114	--
Juncus effusus	Leaf		36000.0	-1.4597451047029075	--
Cyrtosperma chamissonis	Root	5700.0	35925.0	-0.9033183437376048	--
Punica granatum	Fruit	5000.0	35858.0	-0.5387723889485007	USDA's Ag Handbook 8 and sequelae)
Lens culinaris	Sprout Seedling	9250.0	35833.0	-0.7500410479276718	USDA's Ag Handbook 8 and sequelae)
Eugenia uniflora	Fruit	2000.0	35715.0	-0.5424754236304308	--
Arctium lappa	Leaf	8200.0	35600.0	-1.466792613638666	Wealth of India.
Inga edulis	Seed	13000.0	35425.0	-0.3746202991174448	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
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.
Bertholletia excelsa	Seed	31840.0	35342.0	-0.377116742404479	USDA's Ag Handbook 8 and sequelae)
Dioscorea alata	Root	7000.0	35045.0	-0.9284471732656219	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Lantana camara	Stem		35000.0	-1.3037200433907317	--
Gliricidia sepium	Seed		35000.0	-0.3874032918522584	--
Tamarindus indica	Flower		35000.0	-0.7647202842836339	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Zizyphus jujuba	Fruit	6000.0	35000.0	-0.5609905970400813	--
Dioscorea sp.	Root		35000.0	-0.9297321702301228	--
Zingiber officinale	Root	2450.0	35000.0	-0.9297321702301228	--
Spondias mombin	Fruit	4000.0	35000.0	-0.5609905970400813	--
Allium sativum var. sativum	Root	12950.0	35000.0	-0.9297321702301228	--
Byrsonima crassifolia	Fruit	6000.0	34885.0	-0.5639685619940811	--
Mimosa hostilis	Plant		34400.0	-1.564741388578558	--
Manihot esculenta	Root	5000.0	34300.0	-0.9497210119001364	--
Spondias purpurea	Fruit	6000.0	34000.0	-0.5868859444661659	--
Arctium lappa	Root	7990.0	34000.0	-0.9582876583301422	--
Grindelia squarrosa	Seed		34000.0	-0.4174809218165257	--
Ulex europaeus	Plant	16000.0	34000.0	-1.5719677816818372	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Annona cherimola	Fruit	6100.0	34000.0	-0.5868859444661659	--
Artocarpus altilis	Fruit	5600.0	33400.0	-0.6024231529218168	USDA's Ag Handbook 8 and sequelae)
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
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.
Prunus dulcis	Seed	21000.0	33022.0	-0.4468968439215791	USDA's Ag Handbook 8 and sequelae)
Gliricidia sepium	Leaf	5000.0	33000.0	-1.5126014217210952	--
Pistacia vera	Seed	24000.0	33000.0	-0.44755855178079296	--
Crotalaria juncea	Seed		33000.0	-0.44755855178079296	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Arctostaphylos uva-ursi	Seed	6000.0	33000.0	-0.44755855178079296	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Zea mays	Silk Stigma Style		33000.0	-1.0	--
Balanites aegyptiacus	Seed		33000.0	-0.44755855178079296	--
Sambucus canadensis	Fruit	6150.0	32918.0	-0.6149047103811897	USDA's Ag Handbook 8 and sequelae)
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.
Juniperus communis	Fruit	9920.0	32000.0	-0.6386766393183354	--
Sphenostylis stenocarpa	Seed	29000.0	32000.0	-0.47763618174506045	--
Passiflora edulis	Fruit	8000.0	32000.0	-0.6386766393183354	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Tamarindus indica	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.
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.
Sophora secundiflora	Seed		32000.0	-0.47763618174506045	--
Curcuma longa	Plant	9920.0	32000.0	-1.6080997471982341	--
Apium graveolens	Fruit	6720.0	32000.0	-0.6386766393183354	--
Anacardium occidentale	Seed	26000.0	32000.0	-0.47763618174506045	--
Elaeagnus umbellatus	Fruit	5900.0	31945.0	-0.6401008834267701	--
Crataegus rhipidophylla	Fruit	29000.0	31800.0	-0.6438557088035524	--
Citrus reticulata	Fruit	3900.0	31525.0	-0.6509769293457256	ACTA AGRIC SCAND SUPPL 22: 1980
Pinus gerardiana	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.
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	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Arracacia xanthorrhiza	Root	9000.0	31150.0	-1.0396707994151975	--
Allium sativum var. sativum	Shoot	7000.0	31000.0	-1.6573953704783664	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Dioscorea bulbifera	Tuber	9000.0	31000.0	-1.3242795851928264	--
Spondias dulcis	Fruit	4000.0	31000.0	-0.6645719867444201	--
Artocarpus heterophyllus	Seed	15000.0	30990.0	-0.5080145880089704	--
Alocasia macrorrhiza	Root	3000.0	30975.0	-1.0446680098327008	--
Lens culinaris	Seed	21000.0	30875.0	-0.5114735154548612	--
Rubus idaeus	Fruit	3880.0	30815.0	-0.6693626260182457	Revised USDA data received 1993.
Rollinia mucosa	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.
Citrullus lanatus	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.
Juglans cinerea	Seed	25150.0	30466.0	-0.5237752661102465	--
Astragalus gummifer	Gum	15000.0	30000.0	-1.0	--
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	--
Castanea mollissima	Seed	16700.0	29726.0	-0.5460327122838042	--
Diospyros digyna	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.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Mangifera indica	Fruit	4700.0	29140.0	-0.7127373329569376	--
Juglans nigra	Pericarp	3480.0	29000.0		--
Juglans nigra	Fruit		29000.0	-0.7163626815965894	--
Juglans nigra	Hull Husk		29000.0	-0.6040404496926218	--
Passiflora incarnata	Flower	3190.0	29000.0	-0.9015001762592432	--
Crataegus laevigata	Fruit	8091.0	29000.0	-0.7163626815965894	--
Serenoa repens	Fruit	3770.0	29000.0	-0.7163626815965894	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Asparagus officinalis	Root	2900.0	29000.0	-1.101065098830239	--
Cicer arietinum	Seed	24000.0	28900.0	-0.5708768346342891	USDA's Ag Handbook 8 and sequelae)
Castanea dentata	Seed	15600.0	28480.0	-0.5835094392192813	--
Syzygium jambos	Fruit	4000.0	28385.0	-0.7322883202636316	--
Phaseolus coccineus	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.
Arachis hypogaea	Seed	16000.0	28000.0	-0.5979467016021296	--
Citrus limon	Fruit		28000.0	-0.7422580290226741	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Lupinus mutabilis	Fruit	8000.0	28000.0	-0.7422580290226741	--
Anacardium occidentale	Fruit	2000.0	28000.0	-0.7422580290226741	--
Casimiroa edulis	Fruit	4800.0	27777.0	-0.7480326914986911	--
Juglans nigra	Seed	23000.0	27770.0	-0.604864556493911	--
Eugenia brasiliensis	Fruit	4000.0	27210.0	-0.7627153534892811	--
Pouteria caimito	Fruit	7000.0	27070.0	-0.7663407021289329	--
Castanea sativa	Seed	12300.0	27060.0	-0.6262196737685408	--
Pinus edulis	Seed	22600.0	27000.0	-0.6280243315663969	--
Opuntia ficus-indica	Fruit	3000.0	27000.0	-0.7681533764487589	--
Nandina domestica	Seed		27000.0	-0.6280243315663969	--
Melicoccus bijugatas	Fruit	3400.0	27000.0	-0.7681533764487589	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Petasites japonicus	Pt	14600.0	26545.0	-1.3494322568823325	USDA's Ag Handbook 8 and sequelae)
Sassafras albidum	Seed	24000.0	26000.0	-0.6581019615306641	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Quararibea cordata	Fruit	3000.0	25850.0	-0.7979330259887563	--
Diospyros virginiana	Fruit	9000.0	25280.0	-0.8126933740216246	--
Aspalathus linearis	Shoot		25000.0	-1.7963329752128847	--
Inga feuillei	Aril	4000.0	25000.0	-1.0	J Cell Biochem VOL. 22=1995
Gardenia jasminoides	Seed		25000.0	-0.6881795914949315	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Phyllanthus emblica	Fruit	4000.0	25000.0	-0.8199440713009283	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Secale cereale	Seed	18000.0	24650.0	-0.698706761982425	USDA's Ag Handbook 8 and sequelae)
Myrciaria cauliflora	Fruit	2000.0	24000.0	-0.845839418727013	--
Sclerocarya caffra	Fruit	2000.0	24000.0	-0.845839418727013	--
Elaeagnus angustifolia	Seed		24000.0	-0.7182572214591987	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Amorphophallus konjac	Root		24000.0	-1.243842539330336	--
Allium ampeloprasum	Flower	4000.0	24000.0	-1.0154834195722509	--
Manilkara zapota	Fruit	4000.0	24000.0	-0.845839418727013	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Fagopyrum esculentum	Seed	19000.0	24000.0	-0.7182572214591987	--
Mammea americana	Fruit	1700.0	23070.0	-0.8699220918332717	--
Sphenostylis stenocarpa	Root	8000.0	23000.0	-1.2723980274303555	--
Pouteria campechiana	Fruit	6000.0	23000.0	-0.8717347661530976	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Plantago psyllium	Seed	4796.0	22000.0	-0.7784124813877332	--
Chrysophyllum cainito	Fruit	3000.0	22000.0	-0.8976301135791823	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
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
Carica papaya	Fruit	2970.0	22000.0	-0.8976301135791823	--
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.
Asimina triloba	Fruit	6000.0	22000.0	-0.8976301135791823	--
Juglans regia	Seed	12000.0	21000.0	-0.8084901113520006	--
Hibiscus sabdariffa	Flower	2200.0	20000.0	-1.1066700142226569	--
Ceratonia siliqua	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.
Platycodon grandiflorum	Root	15000.0	20000.0	-1.3580644917304137	--
Plantago psyllium	Hull Husk		19800.0	-0.805387266256829	--
Acrocomia totai	Seed		19800.0	-0.8445832673091213	--
Bacopa monnieri	Shoot		19000.0	-1.9352705799474033	Wealth of India.
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.
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.
Vaccinium vitis-idaea	Fruit	2500.0	18000.0	-1.0012115032835212	--
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	--
Alocasia macrorrhiza	Leaf	8000.0	17700.0	-1.7821686385138522	--
Mauritia flexuosa	Fruit	8000.0	17390.0	-1.0170076652134328	J Cell Biochem VOL. 22=1995

Plant	Part	Low PPM	High PPM	StdDev	Reference
Macadamia spp	Seed	12400.0	17000.0	-0.9288006312090696	--
Chrysanthemum parthenium	Leaf	3060.0	17000.0	-1.7945017791514293	--
Carya illinoensis	Seed	16000.0	17000.0	-0.9288006312090696	--
Cinnamomum verum	Bark		17000.0	-2.036112439574681	Wealth of India.
Zizyphus jujuba	Seed	13000.0	17000.0	-0.9288006312090696	--
Elaeis guineensis	Fruit	9000.0	17000.0	-1.027106850709606	--
Catha edulis	Leaf		16000.0	-1.8121205514908252	--
Eugenia floribunda	Fruit	2000.0	16000.0	-1.0530021981356905	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Simmondsia chinensis	Seed	14000.0	16000.0	-0.958878261173337	--
Annona cherimola	Seed	12000.0	15500.0	-0.9739170761554706	--
Phytelephas macrocarpa	Seed		15000.0	-0.9889558911376043	--
Areca catechu	Seed		15000.0	-0.9889558911376043	--
Paullinia cupana	Seed		14200.0	-1.0130179951090181	Abstract (See species file)
Cyamopsis tetragonoloba	Fruit		14000.0	-1.1047928929878599	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Vaccinium corymbosum	Fruit	2070.0	13845.0	-1.1088066718389031	--
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.
Cydonia oblonga	Seed		13000.0	-1.0491111510661388	--
Ilex paraguariensis	Seed		13000.0	-1.0491111510661388	--
Asclepias syriaca	Latex Exudate		12300.0		--
Triticum aestivum	Seed	4000.0	12000.0	-1.0791887810304062	--
Pastinaca sativa	Seed		12000.0	-1.0791887810304062	--
Musa x paradisiaca	Flower		12000.0	-1.2890432035234691	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Pourouma cecropiaefolia	Fruit	2000.0	11110.0	-1.1796304470492447	J Cell Biochem VOL. 22=1995
Annona reticulata	Fruit	5000.0	11100.0	-1.1798894005235057	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Areca catechu	Sprout Seedling		10000.0	-1.433018365784906	--
Salix alba	Wood		8700.0	-0.3367176185789884	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Coriandrum sativum	Seed	6000.0	6600.0	-1.2416079828374493	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Sorbus aucubaria	Wood		6300.0	-0.4477234269017318	--
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.
Hippophae rhamnoides	Fruit		5000.0	-1.3378510198226223	Abstract (See species file)
Physalis alkekengi	Fruit		5000.0	-1.3378510198226223	--
Citrus aurantiifolia	Fruit	2000.0	3800.0	-1.3689254367339239	--
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
Cydonia oblonga	Fruit		3000.0	-1.3896417146747917	--
Abies spectabilis	Wood		2600.0	-0.6188573813992945	Wealth of India.
Ocimum tenuiflorum	Seed		2000.0	-1.379965080673079	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Ocimum sanctum	Seed		2000.0	-1.379965080673079	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Cimicifuga racemosa	Root				--
Aloe spp.	Leaf				--