

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for FAT

Plant	Part	Low PPM	High PPM	StdDev	Reference
Abelmoschus moschatus	Seed	145000.0	164000.0	-0.5340447093251126	Wealth of India.
Abelmoschus esculentus	Fruit	1000.0	10000.0	-0.5648728941733404	USDA's Ag Handbook 8 and sequelae)
Abelmoschus manihot	Leaf	17700.0	152586.0	1.9154403511831037	--
Abelmoschus esculentus	Seed	160000.0	220000.0	-0.23907267817038622	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Abrus precatorius	Seed	25000.0	28000.0	-1.2504053564151623	--
Abutilon theophrasti	Seed		153000.0	-0.5919856440162196	Wealth of India.
Acacia melanoxylon	Seed		76000.0	-0.9975721868539683	--
Acacia decurrens	Seed		123000.0	-0.7500063749919659	--
Acacia tortilis	Fruit	24400.0	31000.0	-0.40447658334542713	--
Acacia senegal	Fruit		10000.0	-0.5648728941733404	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Acacia farnesiana	Seed	20000.0	78000.0	-0.9870374714555853	--
Acacia catechu	Leaf		46000.0	-0.2084762537181569	--
Acacia tortilis	Seed		60000.0	-1.081849910041033	--
Acacia senegal	Seed		58000.0	-1.092384625439416	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Acacia nilotica	Seed	35000.0	115000.0	-0.7921452365854982	--
Acacia farnesiana	Leaf	6000.0	32280.0	-0.48187178239214123	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Acacia tortilis	Leaf		61000.0	0.09042556334523708	--
Acacia senegal	Leaf		67000.0	0.20998629017059464	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Acalypha indica	Leaf	14000.0	71800.0	0.3056348716308807	Wealth of India.
Achillea millefolium	Seed	223000.0	334000.0	0.3614060995374496	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Achillea millefolium	Plant	7080.0	40000.0	-0.1714507664609065	--
Acrocomia totai	Fruit		279400.0	1.4927826361618894	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Acrocomia totai	Seed		667500.0	2.118069892217829	--
Actaea racemosa	Seed	326000.0	451000.0	0.9776869503428604	--
Actaea racemosa	Root		15000.0	-0.26278086141973483	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Actinidia chinensis	Fruit	700.0	38400.0	-0.34795597857749583	--
Aegle marmelos	Fruit	2000.0	8860.0	-0.5735801224754271	--
Aegle marmelos	Seed		119000.0	-0.771075805788732	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Aesculus hippocastanum	Seed	30000.0	50000.0	-1.1345234870329484	--
Aframomum melegueta	Fruit		20000.0	-0.4884936985410007	Wealth of India.
Aframomum melegueta	Seed	10000.0	20000.0	-1.2925442180086948	Wealth of India.
Agave americana	Plant		13000.0	-0.5655284720872618	--
Ageratum conyzoides	Seed		256000.0	-0.0494478009994907	Wealth of India.
Agrimonia eupatoria	Seed		350000.0	0.44568382272451457	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
Agrostemma githago	Seed	58000.0	68000.0	-1.0397110484475007	--
Ailanthus altissima	Seed	555000.0	591000.0	1.7151170282296764	--
Akebia quinata	Seed	180000.0	383000.0	0.6195066267978355	--
Albizia julibrissin	Seed	85000.0	111000.0	-0.8132146673822643	--
Albizia lebbeck	Seed		68000.0	-1.0397110484475007	Wealth of India.
Albizia lebbeck	Leaf	85000.0	160000.0	2.0631775559636374	Wealth of India.
Aleurites moluccana	Seed	570000.0	690000.0	2.236585440449639	--
Aleurites fordii	Seed	300000.0	600000.0	1.7625232475224002	--
Aleurites fordii	Fruit	140000.0	200000.0	0.8863318228411128	--
Alisma plantago-aquatica	Rhizome		42000.0	-0.06513927970185569	--
Alliaria petiolata	Seed		220000.0	-0.23907267817038622	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Allium sativum var. sativum	Root	3330.0	9000.0	-0.4628723877991655	--
Allium cepa	Bulb	1000.0	36079.0	1.0	--
Allium ampeloprasum	Flower	5000.0	30000.0	-0.43704508730510255	--
Allium schoenoprasum	Leaf	3000.0	89518.0	0.6586976979461616	--
Allium sativum var. sativum	Flower	2000.0	17000.0	-0.6420122091855959	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Allium ampeloprasum	Root	3000.0	22000.0	-0.029340747310399002	--
Allium sativum var. sativum	Shoot	3000.0	13000.0	-0.6338235673241969	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Allium sativum var. sativum	Bulb	2000.0	12000.0	-1.0	--
Allium ampeloprasum	Leaf	3000.0	47000.0	-0.18854946591393063	--
Allium sativum var. sativum	Leaf	5000.0	37000.0	-0.3878173439561933	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Allium cepa	Leaf	6000.0	77000.0	0.4092541682128573	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Alocasia macrorrhiza	Root	1000.0	19000.0	-0.12938651050011435	--
Alocasia macrorrhiza	Leaf	1000.0	63000.0	0.1302791389536896	--
Aloe vera	Leaf		8000.0	-0.965694190278755	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Aloe spp.	Leaf	40.0	8000.0	-0.965694190278755	--
Alpinia galanga	Rhizome	4000.0	28000.0	-0.3793278967226343	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Althaea officinalis	Seed	128000.0	172000.0	-0.49190584773158025	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Althaea officinalis	Root	540.0	5000.0	-0.596266738718786	--
Amaranthus spinosus	Leaf	3000.0	45000.0	-0.22840304152238317	--
Amaranthus sp.	Leaf	2410.0	53000.0	-0.06898873908857305	--
Ammi visnaga	Seed	120000.0	180000.0	-0.44976698613804794	--
Ammi majus	Seed		129400.0	-0.71629528571714	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Amorphophallus konjac	Root		9000.0	-0.4628723877991655	--
Amorphophallus campanulatus	Shoot		33000.0	-0.2557690220558485	--
Amorphophallus campanulatus	Root	600.0	16000.0	-0.2294322736898297	--
Amphicarpaea bracteata	Seed	50000.0	160000.0	-0.5551141401218788	--
Anacardium occidentale	Seed	370000.0	482000.0	1.1409750390177982	--
Anacardium occidentale	Leaf	6000.0	20000.0	-0.7265727366280398	--
Anacardium occidentale	Fruit	1000.0	49000.0	-0.2669940312072158	--
Anamirta cocculus	Fruit	110000.0	180000.0	0.7335734315764334	--
Ananas comosus	Fruit	1000.0	42772.0	-0.31456299424703693	--
Andira inermis	Bark				--
Anemone coronaria	Seed	207000.0	266000.0	0.0032257759924247268	--
Anethum graveolens	Plant	43000.0	47000.0	-0.06928247240962923	--
Anethum graveolens	Fruit	68000.0	180200.0	0.7351010154890802	--
Anethum graveolens	Seed	68000.0	180200.0	-0.44871351459820963	--
Angelica sinensis	Root	3960.0	18000.0	-0.16273509823001947	--
Angelica archangelica	Seed	189000.0	203000.0	-0.3286177590566424	--
Annona squamosa	Fruit	2000.0	21000.0	-0.48085577897776677	--
Annona muricata	Seed		221000.0	-0.23380532047119468	--
Annona cherimola	Fruit	1000.0	15000.0	-0.5266832963571706	--
Annona reticulata	Seed		400000.0	0.7090517076840918	--
Annona muricata	Fruit	2000.0	24000.0	-0.4579420202880649	--
Annona diversifolia	Fruit	1600.0	5615.0	-0.5983651714581213	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Annona reticulata	Fruit	2000.0	21000.0	-0.48085577897776677	--
Annona cherimola	Seed	200000.0	258000.0	-0.038913085601107615	--
Annona squamosa	Seed	140000.0	490000.0	1.1831139006113305	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Annona glabra	Fruit	16000.0	121000.0	0.2829361773456296	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Anogeissus latifolia	Leaf		36000.0	-0.4077441317604195	--
Anthriscus cerefolium	Leaf	39000.0	42040.0	-0.2873863334228929	--
Anthriscus cerefolium	Seed	105000.0	156000.0	-0.5761835709186449	--
Apium graveolens	Seed	13860.0	279483.0	0.0742455598506243	--
Apium graveolens	Leaf	1300.0	42000.0	-0.28818340493506195	--
Apium graveolens	Fruit	13860.0	66000.0	-0.1371493986322384	--
Apocynum cannabinum	Seed	226000.0	238000.0	-0.14426023958493847	--
Aquilegia vulgaris	Seed		269000.0	0.019027849089999355	--
Arachis hypogaea	Leaf	6000.0	28000.0	-0.5671584341942296	--
Arachis hypogaea	Seed	194800.0	526834.0	1.3771317541033519	--
Arachis hypogaea	Plant	22000.0	95000.0	0.6313001153705581	--
Aralia cordata	Leaf	2000.0	42550.0	-0.2772236716427375	--
Arbutus unedo	Seed	34000.0	368000.0	0.5404962613099623	--
Arctium lappa	Leaf	1300.0	8335.0	-0.9590187163643392	Wealth of India.
Arctium lappa	Fruit	150000.0	300000.0	1.6501237791645091	--
Arctium lappa	Root	1645.0	7000.0	-0.5295695632589758	--
Arctostaphylos uva-ursi	Seed	20000.0	500000.0	1.235787477603246	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Arctostaphylos uva-ursi	Leaf	3016.0	26000.0	-0.6070120098026822	--
Areca catechu	Shoot	3000.0	23000.0	-0.4447962946900227	--
Areca catechu	Seed	44000.0	180000.0	-0.44976698613804794	--
Arecastrum romanzoffianum	Seed		522000.0	1.35166934698546	Wealth of India.
Argemone mexicana	Seed	200000.0	393000.0	0.672180203789751	--
Arisaema triphyllum	Seed		28000.0	-1.2504053564151623	--
Armoracia rusticana	Root	5040.0	28000.0	0.1707507790690317	--
Arracacia xanthorrhiza	Root	1000.0	3460.0	-0.6476235638228399	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Artemisia dracunculus	Shoot	72000.0	78000.0	0.5948537047979354	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Artemisia vulgaris	Leaf	8000.0	63000.0	0.1302791389536896	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Artemisia dracunculus	Seed		381000.0	0.6089719113994524	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Artemisia maritima	Seed		220000.0	-0.23907267817038622	--
Artemisia absinthium	Leaf	334000.0	381000.0	6.466997660697641	--
Artocarpus altilis	Fruit	1000.0	34400.0	-0.3785076568304317	--
Artocarpus heterophyllus	Fruit	1000.0	11200.0	-0.5557073906974597	--
Artocarpus altilis	Seed	25900.0	128000.0	-0.7236695864960081	--
Artocarpus heterophyllus	Seed	4000.0	8265.0	-1.3543566606087074	--
Arundo donax	Stem		30000.0	0.07874758051990709	--
Arundo donax	Plant	11000.0	13000.0	-0.5655284720872618	--
Asclepias syriaca	Seed	91000.0	318000.0	0.27712837635038495	--
Asimina triloba	Fruit	6000.0	59000.0	-0.19061483557487616	--
Aspalathus linearis	Shoot		17000.0	-0.5582126582705272	--
Asparagus officinalis	Root	2400.0	24000.0	0.03735642814941123	--
Asparagus officinalis	Shoot	2000.0	41000.0	-0.10454720394850912	--
Astragalus membranaceus	Root	3200.0	20000.0	-0.09603792277020924	--
Avena sativa	Plant	1540.0	7000.0	-0.6531012955597851	--
Avena sativa	Seed	11000.0	97000.0	-0.8869576751709459	--
Averrhoa bilimbi	Fruit	1000.0	40000.0	-0.33573530727632145	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Averrhoa carambola	Fruit	800.0	52000.0	-0.2440802725175139	--
Azadirachta indica	Seed		450000.0	0.9724195926436688	--
Azadirachta indica	Fruit		42000.0	-0.32045946814985354	--
Bacopa monnieri	Shoot		6000.0	-0.7661426581681189	Wealth of India.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Bactris gasipaes	Seed		313000.0	0.25079158785442723	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Bactris gasipaes	Fruit	28000.0	163400.0	0.6067839668267496	--
Balanites aegyptiacus	Leaf		42000.0	-0.28818340493506195	--
Balanites aegyptiacus	Shoot		15000.0	-0.596018112797362	--
Balanites aegyptiacus	Fruit	0.0	17000.0	-0.5114074572307027	--
Balanites aegyptiacus	Seed	300000.0	550000.0	1.4991553625628231	--
Basella alba	Leaf	3000.0	43475.0	-0.2587913929238282	--
Benincasa hispida	Fruit	1000.0	51280.0	-0.24957957460304236	--
Berberis vulgaris	Bark		43000.0	1.7516922412537856	--
Berberis vulgaris	Root		43000.0	0.6709795950176085	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Bertholletia excelsa	Seed	649190.0	700000.0	2.2892590174415544	--
Beta vulgaris	Seed	28000.0	70000.0	-1.0291763330491175	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Beta vulgaris	Root	1000.0	16000.0	-0.2294322736898297	--
Beta vulgaris	Leaf	2000.0	58000.0	0.03064519993255828	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Betula lenta	Leaf		86000.0	0.5885952584508937	Jim Duke's personal files.*
Bixa orellana	Seed	15000.0	50000.0	-1.1345234870329484	--
Bixa orellana	Fruit	3000.0	19230.0	-0.4943748966046909	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Blighia sapida	Seed	12000.0	611000.0	1.8204641822135073	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Blighia sapida	Aril	200000.0	649000.0	1.2253734285689148	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Boehmeria nivea	Leaf	5000.0	38460.0	-0.3587242337620229	--
Boehmeria nivea	Shoot	32000.0	44000.0	-0.04783902215825686	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Borago officinalis	Seed	130000.0	383000.0	0.6195066267978355	--
Borago officinalis	Leaf	7000.0	100000.0	0.8675702877100614	--
Brassica oleracea var. capitata l.	Leaf	1090.0	33559.0	-0.45638542079053585	USDA's Ag Handbook 8 and sequelae)
Brassica nigra	Seed	282000.0	305195.0	0.20967986101223723	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Brassica juncea	Seed	300000.0	380000.0	0.6037045537002609	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Brassica oleracea	Stem	1000.0	11110.0	-1.4508583793989052	--
Brassica oleracea var. gemmifera	Leaf	2000.0	28560.0	-0.5559994330238629	USDA's Ag Handbook 8 and sequelae)
Brassica nigra	Leaf	2220.0	46841.0	-0.1917178251748026	USDA's Ag Handbook 8 and sequelae)
Brassica juncea	Leaf	12700.0	138000.0	1.6247882242706593	--
Brassica rapa	Leaf	2000.0	42740.0	-0.2734375819599345	USDA's Ag Handbook 8 and sequelae)
Brassica oleracea var. sabellica l.	Leaf	7000.0	45050.0	-0.22740670213217185	--
Brassica oleracea var. viridis l.	Leaf	2200.0	36058.0	-0.4065883780677744	--
Brassica oleracea var. botrytis l.	Flower	1800.0	29400.0	-0.4465051083149715	--
Brassica oleracea var. botrytis l.	Leaf	3160.0	41242.0	-0.30328791009066547	--
Brassica napus var. napobrassica	Root	2000.0	19340.0	-0.11804799067194661	USDA's Ag Handbook 8 and sequelae)
Brassica oleracea var. italica	Leaf	3160.0	41242.0	-0.30328791009066547	USDA's Ag Handbook 8 and sequelae)
Brassica rapa	Root	1000.0	12300.0	-0.35282204829047864	--
Brassica oleracea var. capitata l.	Seed		350000.0	0.44568382272451457	Wealth of India.
Brassica chinensis	Leaf	2000.0	42740.0	-0.2734375819599345	--
Bromelia pinguin	Shoot	1700.0	40000.0	-0.12344993121192654	--
Brosimum alicastrum	Fruit	5000.0	31250.0	-0.40256710345461866	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Bupleurum chinense	Root	2200.0	20000.0	-0.09603792277020924	--
Buxus sempervirens	Seed	416000.0	443000.0	0.935548088749328	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Byrsonima crassifolia	Fruit	13000.0	75580.0	-0.06397812921645704	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Cajanus cajan	Plant		60000.0	0.12045864511417143	--
Cajanus cajan	Leaf		69000.0	0.24983986577904718	--
Cajanus cajan	Seed	6000.0	55354.0	-1.1063220539114769	--
Cajanus cajan	Fruit	6000.0	20000.0	-0.4884936985410007	--
Calathea macrosepala	Flower	2000.0	25975.0	-0.50050606157964	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Calendula officinalis	Seed	260000.0	450000.0	0.9724195926436688	--
Calotropis sp.	Seed	268000.0	366000.0	0.5299615459115793	--
Camellia japonica	Seed	640000.0	670000.0	2.131238286465808	Wealth of India.
Camellia sinensis	Leaf	20000.0	165000.0	2.1628114949847683	--
Canarium indicum	Seed		728400.0	2.438851976098594	--
Canavalia ensiformis	Fruit	2000.0	26000.0	-0.44266618116159695	--
Canavalia ensiformis	Seed	23000.0	36000.0	-1.20826649482163	--
Canna indica	Seed	5000.0	8000.0	-1.3557525103989931	--
Canna indica	Root	1000.0	7000.0	-0.5295695632589758	--
Cannabis sativa	Seed	296000.0	358000.0	0.48782268431804693	--
Capparis spinosa	Fruit		37500.0	-0.35483010618440636	--
Capparis spinosa	Seed	316000.0	360000.0	0.49835739971643	--
Capparis spinosa	Flower		4700.0	-0.8359426398879087	--
Capparis spinosa	Leaf	4900.0	15000.0	-0.8262066756491712	--
Capsella bursa-pastoris	Plant	3200.0	42000.0	-0.14225982530339873	--
Capsella bursa-pastoris	Seed	170000.0	360000.0	0.49835739971643	--
Capsicum annuum	Seed	100000.0	150000.0	-0.6077877171137942	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Capsicum frutescens	Seed	100000.0	150000.0	-0.6077877171137942	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Capsicum annuum	Fruit	2000.0	144000.0	0.4586083273000108	--
Capsicum frutescens	Fruit	1000.0	16320.0	-0.5166012425337018	--
Carapa guianensis	Seed	550000.0	650000.0	2.0258911324819775	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Carica papaya	Seed		253000.0	-0.06524987409706533	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Carica papaya	Fruit	2970.0	22000.0	-0.4732178594145328	--
Carica papaya	Latex Exudate		24000.0		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Carica pentagona	Fruit	1000.0	14705.0	-0.5289364826283246	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Carica papaya	Leaf	8000.0	136000.0	1.584934648662207	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Carthamus tinctorius	Seed	200000.0	626000.0	1.8994745477013804	--
Carthamus tinctorius	Plant	16000.0	51000.0	-0.010900590094613647	--
Carthamus tinctorius	Flower	8820.0	63000.0	0.08325606823768805	--
Carum carvi	Seed	100000.0	180000.0	-0.44976698613804794	--
Carum carvi	Fruit	127000.0	176826.0	0.7093306748827288	--
Carya illinoensis	Seed	712000.0	753000.0	2.568428975498706	--
Casimiroa edulis	Fruit	300.0	22222.0	-0.4715222412714949	--
Casimiroa edulis	Seed	4000.0	8000.0	-1.3557525103989931	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Cassia tora	Plant		44000.0	-0.11306888414589093	--
Cassia tora	Seed	33000.0	74000.0	-1.0081069022523514	--
Castanea mollissima	Seed	10600.0	20648.0	-1.2891309702196185	--
Castanea sativa	Seed	16000.0	36520.0	-1.2055274688180504	--
Castanea dentata	Seed	12600.0	24208.0	-1.2703791768104966	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Castanea sativa	Leaf		81000.0	0.48896131942976234	--
Castanospermum australe	Seed		7000.0	-1.3610198680981846	--
Catalpa bignonioides	Seed	44000.0	330000.0	0.3403366687406834	--
Catha edulis	Seed		500000.0	1.235787477603246	--
Caulophyllum thalictroides	Root	660.0	6000.0	-0.5629181509888809	--
Cedrela odorata	Seed		214000.0	-0.2706768243655355	--
Cedrus deodora	Seed		447000.0	0.9566175195460942	--
Ceiba pentandra	Seed	200000.0	400000.0	0.7090517076840918	--
Celosia cristata	Seed		134000.0	-0.6920654403008588	--
Cenchrus biflorus	Seed	85000.0	94000.0	-0.9027597482685206	--
Cenchrus biflorus	Shoot	10000.0	28000.0	-0.3502826583729356	--
Centaurea calcitrapa	Seed	154000.0	246000.0	-0.10212137799140612	--
Centaurea cyanus	Seed	158000.0	181000.0	-0.4444996284388564	--
Centella asiatica	Leaf	5992.0	56000.0	-0.00920837567589425	--
Ceratonia siliqua	Seed	2000.0	18000.0	-1.3030789334070778	--
Ceratonia siliqua	Fruit	5000.0	13000.0	-0.5419591354836385	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Chamaemelum nobile	Flower		39000.0	-0.29514477215706875	--
Chamissoa altissima	Leaf	6900.0	69000.0	0.24983986577904718	Tramil
Chelidonium majus	Seed		466000.0	1.0566973158307336	--
Chenopodium ambrosioides	Seed	25000.0	92000.0	-0.9132944636669036	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Chenopodium album	Leaf	8000.0	50960.0	-0.10963938620919463	--
Chenopodium ambrosioides	Leaf	7000.0	48000.0	-0.16862267810970435	--
Chenopodium album	Seed	55000.0	85000.0	-0.9501659675612444	--
Chondrus crispus	Plant		12000.0	-0.5801239426660156	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Chrysanthemum parthenium	Plant		48000.0	-0.05468700183087534	--
Chrysanthemum cinerariifolium	Shoot		5000.0	-0.7850453854315362	--
Chrysanthemum parthenium	Leaf	8640.0	48000.0	-0.16862267810970435	--
Chrysanthemum x morifolium	Seed		171000.0	-0.4971732054307718	Wealth of India.
Chrysanthemum coronarium	Leaf	3000.0	46155.0	-0.2053876016085018	--
Chrysanthemum parthenium	Seed		312000.0	0.24552423015523567	--
Chrysanthemum coronarium	Bud	1700.0	22850.0	-1.0	--
Chrysophyllum cainito	Seed		66000.0	-1.0502457638458838	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Chrysophyllum cainito	Fruit	7000.0	93000.0	0.0690744295750786	--
Cicer arietinum	Seed	59000.0	69750.0	-1.0304931724739155	USDA's Ag Handbook 8 and sequelae)
Cichorium endivia	Leaf	2000.0	32200.0	-0.4834659254164793	--
Cichorium intybus	Root	2000.0	16000.0	-0.2294322736898297	--
Cichorium intybus	Leaf	1000.0	29000.0	-0.5472316463900033	USDA's Ag Handbook 8 and sequelae)
Cicuta maculata	Seed		159000.0	-0.5603814978210703	--
Cimicifuga racemosa	Root	3150.0	15000.0	-0.26278086141973483	--
Cimicifuga racemosa	Seed	326000.0	451000.0	0.9776869503428604	--
Cinchona spp	Seed	5000.0	160000.0	-0.5551141401218788	--
Cinnamomum verum	Seed	300000.0	350000.0	0.44568382272451457	Wealth of India.
Cinnamomum verum	Bark	11000.0	14000.0	-0.3697573599609359	--
Cinnamomum camphora	Seed		420000.0	0.8143988616679225	--
Cinnamomum aromaticum	Bark		35000.0	1.1664647650566211	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Citrullus lanatus	Seed	200000.0	571000.0	1.6097698742458455	--
Citrullus lanatus	Fruit	200.0	89000.0	0.03852275132214275	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Citrullus colocynthis	Seed	150000.0	510000.0	1.2884610545951614	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Citrus aurantium	Seed		448600.0	0.9650452918648007	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
Citrus mitis	Fruit Juice	5300.0	53000.0		Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Citrus paradisi	Fruit	1000.0	19000.0	-0.49613161810423473	--
Citrus limon	Seed	300000.0	400000.0	0.7090517076840918	--
Citrus mitis	Jf	5300.0	53000.0		Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Citrus aurantium	Fruit	0.0	8000.0	-0.5801487332998083	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Citrus sinensis	Fruit	1100.0	16000.0	-0.5190453767939366	--
Citrus limon	Fruit		28000.0	-0.42739034203512904	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Citrus mitis	Fruit	24100.0	240000.0	1.1918486053704713	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Citrus reticulata	Fruit	1900.0	22000.0	-0.4732178594145328	--
Citrus aurantiifolia	Fruit	2000.0	26700.0	-0.4373196374673332	--
Clematis vitalba	Seed		140000.0	-0.6604612941057096	--
Cnicus benedictus	Seed	258000.0	271000.0	0.029562564488382438	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Cnicus benedictus	Plant	1463.0	11000.0	-0.5947194132447695	--
Cnidioscolus chayamansa	Leaf	16000.0	80000.0	0.4690345316255361	--
Coccinia grandis	Fruit	1000.0	14490.0	-0.5305786353344198	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Cocos nucifera	Seed	58400.0	719000.0	2.3893388137261935	--
Coffea arabica	Leaf	55000.0	59000.0	0.05057198773678454	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Plant	Part	Low PPM	High PPM	StdDev	Reference
Coffea arabica	Seed	74000.0	170000.0	-0.5024405631299633	--
Coix lacryma-jobi	Seed	31000.0	79000.0	-0.9817701137563937	--
Coix lacryma-jobi	Plant		28000.0	-0.34659641340595326	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Cola acuminata	Seed	4000.0	30000.0	-1.2398706410167792	--
Colocasia esculenta	Root	1000.0	16000.0	-0.2294322736898297	--
Colocasia esculenta	Leaf	6000.0	107000.0	1.0070578023396453	--
Colubrina texensis	Shoot		45000.0	-0.028936294894839443	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Colubrina texensis	Seed		179000.0	-0.45503434383723945	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Commelina benghalensis	Leaf	4000.0	28985.0	-0.5475305482070668	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Conium maculatum	Seed	116000.0	179000.0	-0.45503434383723945	--
Consolida ajacis	Seed		390000.0	0.6563781306921763	--
Corchorus olitorius	Leaf	2500.0	20350.0	-0.7195983608965606	--
Corchorus olitorius	Seed	113000.0	148000.0	-0.6183224325121772	--
Coriandrum sativum	Leaf	6000.0	50000.0	-0.12876910250125184	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Coriandrum sativum	Fruit	110000.0	210000.0	0.9627110184734524	--
Coriaria thymifolia	Seed		226000.0	-0.20746853197523696	--
Cornus florida	Seed	24000.0	494000.0	1.2041833314080967	--
Corylus avellana	Seed	500000.0	650000.0	2.0258911324819775	--
Crataegus rhipidophylla	Fruit		39000.0	-0.34337322683955546	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Crataegus laevigata	Fruit	10881.0	39000.0	-0.34337322683955546	--
Crescentia alata	Seed	397000.0	411000.0	0.7669926423751987	--
Crocus sativus	Silk Stigma Style	56300.0	134000.0	1.0	--
Crotalaria juncea	Seed		43000.0	-1.1713949909272892	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Croton tiglium	Seed	300000.0	500000.0	1.235787477603246	--
Cryptostegia grandifolia	Seed		108000.0	-0.829016740479839	--
Cucumis sativus	Fruit	900.0	43037.0	-0.31253894556277995	--
Cucumis melo	Seed	300000.0	446000.0	0.9513501618469027	--
Cucumis sativus	Seed	300000.0	425000.0	0.8407356501638803	--
Cucumis melo	Fruit	2600.0	29355.0	-0.417040961026947	USDA's Ag Handbook 8 and sequelae)
Cucurbita pepo	Seed	300000.0	520000.0	1.3411346315870767	--
Cucurbita maxima	Seed		366000.0	0.5299615459115793	--
Cucurbita foetidissima	Seed	243000.0	428000.0	0.8565377232614549	--
Cucurbita pepo	Fruit	1000.0	11905.0	-0.5503226574053797	USDA's Ag Handbook 8 and sequelae)
Cucurbita maxima	Leaf	17500.0	124000.0	1.3458131950114918	--
Cucurbita foetidissima	Leaf		40000.0	-0.3280369805435145	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Cucurbita spp	Fruit	2100.0	33230.0	-0.3874440227194154	--
Cucurbita pepo	Flower	700.0	14430.0	-0.682532632511201	USDA's Ag Handbook 8 and sequelae)
Cuminum cyminum	Fruit	134000.0	270380.0	1.423888601701519	--
Cuminum cyminum	Seed	134000.0	270380.0	0.02629680271488368	--
Curcuma longa	Rhizome	18000.0	153000.0	2.4259276123914604	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Curcuma longa	Plant	28830.0	93000.0	0.6021091742130502	--
Cyamopsis tetragonoloba	Shoot	2400.0	24000.0	-0.4258935674266053	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Cyamopsis tetragonoloba	Seed		27000.0	-1.255672714114354	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Cyamopsis tetragonoloba	Leaf		9000.0	-0.9457674024745288	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Cyamopsis tetragonoloba	Fruit		2000.0	-0.6259762506792121	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Cycas revoluta	Seed	1200.0	4300.0	-1.375241733886002	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Cycas revoluta</i>	Fruit		39000.0	-0.34337322683955546	--
<i>Cyclanthera pedata</i>	Fruit	1000.0	35100.0	-0.3731611131361679	--
<i>Cydonia oblonga</i>	Seed	140000.0	192000.0	-0.3865586937477494	--
<i>Cydonia oblonga</i>	Fruit	1000.0	17000.0	-0.5114074572307027	--
<i>Cymbopogon citratus</i>	Plant		71000.0	0.2810088214804645	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Cynara cardunculus</i>	Flower	1000.0	20000.0	-0.5947121041362512	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Cyphomandra betacea</i>	Fruit	600.0	64000.0	-0.15242523775870634	--
<i>Cyrtosperma chamissonis</i>	Leaf	6000.0	54545.0	-0.038201851931043466	--
<i>Cyrtosperma chamissonis</i>	Root	1000.0	6800.0	-0.5362392808049568	--
<i>Cytisus scoparius</i>	Seed		60000.0	-1.081849910041033	--
<i>Daphne mezereum</i>	Seed	60000.0	654000.0	2.0469605632787435	--
<i>Datura stramonium</i>	Seed	150000.0	300000.0	0.18231593776493718	--
<i>Datura metel</i>	Seed	100000.0	120000.0	-0.7658084480895404	--
<i>Datura innoxia</i>	Seed	120000.0	220000.0	-0.23907267817038622	--
<i>Daucus carota</i>	Seed	87000.0	302000.0	0.19285065316332026	--
<i>Daucus carota</i>	Root	1700.0	29000.0	0.2040993667989368	--
<i>Digitalis purpurea</i>	Leaf		12200.0	-0.8820016815010048	--
<i>Digitalis purpurea</i>	Seed		500000.0	1.235787477603246	--
<i>Dioscorea bulbifera</i>	Tuber	1000.0	12800.0	-0.16856580440617475	--
<i>Dioscorea villosa</i>	Root	1440.0	6000.0	-0.5629181509888809	--
<i>Dioscorea sp.</i>	Root		6000.0	-0.5629181509888809	--
<i>Dioscorea alata</i>	Root	300.0	5700.0	-0.5729227273078524	--
<i>Dioscorea pentaphylla</i>	Root	1000.0	5390.0	-0.583260789504123	--
<i>Diospyros virginiana</i>	Fruit	4000.0	11230.0	-0.5554782531105626	--
<i>Diospyros digyna</i>	Fruit	100.0	485.0	-0.6375476988175115	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
Diospyros virginiana	Seed		26000.0	-1.2609400718135455	--
Dipsacus fullonum	Seed	210000.0	283000.0	0.09277085687868095	--
Dipteryx odorata	Seed		250000.0	-0.08105194719463996	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Dodonaea viscosa	Seed	76000.0	190000.0	-0.3970934091461325	--
Dryopteris filix-mas	Rhizome	50000.0	60000.0	0.33881751361057394	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Duranta repens	Seed		14000.0	-1.3241483642038439	--
Durio zibethinus	Fruit	8000.0	73800.0	-0.0775736260390135	--
Echinacea purpurea	Root	3263.0	13000.0	-0.3294780368795451	--
Echinacea spp	Root		13000.0	-0.3294780368795451	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Elaeagnus angustifolia	Seed	18000.0	263000.0	-0.012576297105149901	--
Elaeagnus umbellatus	Fruit	9500.0	51435.0	-0.2483956970707411	--
Elaeagnus commutata	Fruit	9000.0	65000.0	-0.1447873181954724	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Elaeis oleifera	Fruit	290000.0	500000.0	3.1777076918113023	--
Elaeis guineensis	Fruit	460000.0	819000.0	5.614204032482936	--
Elaeis oleifera	Seed	290000.0	450000.0	0.9724195926436688	--
Eleocharis dulcis	Tuber	2000.0	16000.0	0.41332262504340367	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Elettaria cardamomum	Seed	67000.0	100000.0	-0.8711556020733713	--
Elettaria cardamomum	Fruit	10000.0	100000.0	0.12253986651771635	--
Eleutherococcus senticosus	Root	4830.0	23000.0	0.004007840419506115	--
Elytrigia repens	Seed	18000.0	121000.0	-0.7605410903903489	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Elytrigia repens	Rhizome		15000.0	-0.6710744696705001	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Elytrigia repens	Plant	15000.0	38000.0	-0.20064170761841432	--
Ephedra sinica	Plant	3990.0	19000.0	-0.4779556486147383	--
Equisetum arvense	Plant	5778.0	27000.0	-0.3611918839847072	--
Eriobotrya japonica	Seed	350000.0	450000.0	0.9724195926436688	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Eriobotrya japonica	Fruit	2000.0	50000.0	-0.2593561116439818	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Eriodictyon californicum	Leaf	18040.0	82000.0	0.5088881072339886	--
Eruca sativa	Seed	225000.0	351000.0	0.45095118042370613	--
Eryngium floridanum	Shoot		49000.0	0.046674614158830244	--
Eryngium creticus	Shoot		26500.0	-0.37863674926806173	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
Erythrina berteroana	Shoot	2000.0	13000.0	-0.6338235673241969	--
Erythrina fusca	Leaf	8000.0	43000.0	-0.2682566171308357	--
Erythrina crista-galli	Seed		167000.0	-0.518242636227538	--
Erythroxylum coca	Leaf	16000.0	53475.0	-0.05952351488156556	--
Eschscholzia californica	Seed		468000.0	1.0672320312291166	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Eucommia ulmoides	Fruit		270000.0	1.4209861922674902	Foster, S. and Yue, C-G. 1992. Herbal Emissaries-Bringing Chinese Herbs to the West. Healing Arts Press, Rochester VT. 356 pp.
Eugenia uniflora	Fruit	1000.0	60275.0	-0.18087648813175286	--
Eugenia floribunda	Fruit		0.0	-0.6412520898056799	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Eugenia brasiliensis	Fruit	2000.0	20408.0	-0.4853774273592013	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Eugenia uniflora	Seed		5000.0	-1.371554583496568	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Plant	Part	Low PPM	High PPM	StdDev	Reference
Eupatorium odoratum	Seed	157000.0	275000.0	0.050631995285148605	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Eupatorium perfoliatum	Plant	1710.0	19000.0	-0.4779556486147383	--
Euphorbia lathyris	Seed	400000.0	475000.0	1.1041035351234574	--
Euphorbia hirta	Leaf		17100.0	-0.7843604212602959	--
Euphrasia officinalis	Plant	1386.0	9000.0	-0.6239103544022774	--
Fagopyrum esculentum	Seed	19800.0	24000.0	-1.2714747872119285	--
Feijoa sellowiana	Fruit	2000.0	12500.0	-0.5457780952652554	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Ficus carica	Stem Bark		27000.0		Blaschek, W., Hansel, R., Keller, K., Reichling, J., Rimpler, H., and Schneider, G. eds. 1998. Hager's Handbuch der Pharmazeutischen Praxis, Auflage Band 2 (A-K), 909 pp., (L-Z), 858 pp. Springer-Verlag, Berlin.
Ficus carica	Fruit	2000.0	24000.0	-0.4579420202880649	--
Ficus carica	Seed	240000.0	300000.0	0.18231593776493718	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Ficus carica	Leaf	17000.0	59000.0	0.05057198773678454	--
Foeniculum vulgare	Fruit	120000.0	280000.0	1.4973653878998299	--
Foeniculum vulgare	Seed	17604.0	163000.0	-0.5393120670243041	--
Foeniculum vulgare	Plant	4000.0	46000.0	-0.08387794298838314	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Fragaria spp	Seed		190000.0	-0.3970934091461325	--
Fragaria spp	Fruit	2350.0	59893.0	-0.18379417340490822	USDA's Ag Handbook 8 and sequelae)
Frangula purshiana	Bark	8864.0	32000.0	0.9470044614826844	--
Fucus vesiculosus	Plant	3540.0	30000.0	-0.3174054722484455	--
Garcinia mangostana	Seed		30000.0	-1.2398706410167792	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
Gardenia jasminoides	Seed	140000.0	200000.0	-0.34441983215421706	--
Genipa americana	Fruit	3000.0	9250.0	-0.5706013338457658	--
Gentiana lutea	Root	2860.0	13000.0	-0.3294780368795451	--
Gentiana lutea	Seed		260000.0	-0.028378370202724528	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Ginkgo biloba	Leaf	5520.0	23000.0	-0.666792373215361	--
Ginkgo biloba	Seed	16000.0	38020.0	-1.1976264322692631	--
Glaucium flavum	Seed	300000.0	350000.0	0.44568382272451457	--
Gleditsia triacanthos	Seed	8000.0	30000.0	-1.2398706410167792	--
Gleditsia triacanthos	Fruit		46000.0	-0.2899077898969177	--
Gliricidia sepium	Flower	2000.0	103000.0	0.7139241355622827	--
Gliricidia sepium	Seed	161000.0	204000.0	-0.3233504013574509	--
Gliricidia sepium	Leaf	5000.0	33000.0	-0.4675244951730983	--
Glycine max	Sprout Seedling	14000.0	102000.0	2.057581747608098	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Glycine max	Fruit	51000.0	160000.0	0.5808150403117541	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Glycine max	Seed	45000.0	218000.0	-0.24960739356876932	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Glycine max	Plant	25000.0	62000.0	0.1496495862716792	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Glycyrrhiza glabra	Root	1570.0	10000.0	-0.4295238000692604	--
Gossypium sp	Seed	160000.0	207000.0	-0.30754832825987627	--
Grindelia squarrosa	Seed		196000.0	-0.3654892629509832	--
Guarea rusbyi	Bark		25000.0	0.4349304198101654	--
Gymnema sylvestre	Leaf	3990.0	21000.0	-0.7066459488238135	--
Harpagophytum procumbens	Root	4750.0	25000.0	0.07070501587931635	--
Hedera helix	Seed		351000.0	0.45095118042370613	--
Heimia salicifolia	Seed		287000.0	0.11384028767544711	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Helianthus tuberosus	Tuber	4550.0	5000.0	-1.5869188511895223	--
Helianthus annuus	Seed	222000.0	523800.0	1.3611505908440047	--
Heliotropium europaeum	Seed		238000.0	-0.14426023958493847	--
Helleborus niger	Seed		352000.0	0.4562185381228977	--
Hibiscus sabdariffa	Leaf	3000.0	33000.0	-0.4675244951730983	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Hibiscus sabdariffa	Flower	1100.0	10000.0	-0.7523791209673999	--
Hibiscus rosa-sinensis	Flower	3600.0	35290.0	-0.3536392354014249	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Hibiscus sabdariffa	Seed	168000.0	223000.0	-0.2232706050728116	--
Hippophae rhamnoides	Bark		30600.0	0.8445896531481806	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Hippophae rhamnoides	Seed	92000.0	121300.0	-0.7589608830805914	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Hippophae rhamnoides	Fruit	20000.0	50000.0	-0.2593561116439818	--
Holarrhena pubescens	Seed	190000.0	300000.0	0.18231593776493718	--
Hordeum vulgare	Plant	19000.0	64000.0	0.17884052742918724	Jim Duke's personal files.*
Hordeum vulgare	Stem		29000.0	-0.002226795336038504	--
Hordeum vulgare	Seed	5000.0	55000.0	-1.1081866985369908	Jim Duke's personal files.*
Humulus lupulus	Fruit		29000.0	-0.4197524224718951	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Humulus lupulus	Flower	5394.0	29000.0	-0.45281178898821745	--
Hydnocarpus wightiana	Seed		632500.0	1.9337123727461254	--
Hydnocarpus kurzii	Seed	300000.0	550000.0	1.4991553625628231	--
Hydrangea paniculata	Seed		313000.0	0.25079158785442723	--
Hydrangea arborescens	Root	7000.0	20000.0	-0.09603792277020924	--
Hydrastis canadensis	Root	6371.0	23000.0	0.004007840419506115	--
Hylocereus undatus	Fruit	1700.0	25640.0	-0.4454158322043612	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Hylocereus guatemalensis	Fruit	2100.0	34850.0	-0.3750705930269764	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Hyoscyamus niger	Seed	250000.0	389000.0	0.6511107729929847	--
Hypericum perforatum	Seed		328000.0	0.32980195334230034	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Hyptis suaveolens	Seed	143000.0	244000.0	-0.1126560933897892	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Ilex paraguariensis	Seed	161000.0	173000.0	-0.48663849003238874	--
Inga edulis	Seed	7000.0	19075.0	-1.297416523880447	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Inga feuillei	Aril		0.0	-1.2241153449666877	J Cell Biochem VOL. 22=1995
Inula helenium	Root	4180.0	19000.0	-0.12938651050011435	--
Ipomoea aquatica	Leaf	2000.0	156000.0	1.9834704047467322	--
Ipomoea batatas	Root	1400.0	14000.0	-0.29612944914963996	--
Ipomoea batatas	Leaf	2000.0	58000.0	0.03064519993255828	--
Isatis tinctoria	Seed	126000.0	384000.0	0.624773984497027	--
Jatropha curcas	Seed	300000.0	480000.0	1.1304403236194152	--
Juglans nigra	Fruit		52000.0	-0.2440802725175139	--
Juglans regia	Seed	400000.0	701000.0	2.294526375140746	--
Juglans cinerea	Seed	564400.0	595044.0	1.736418222765207	--
Juglans nigra	Seed	563000.0	612000.0	1.8257315399126988	--
Juglans nigra	Pericarp	6240.0	52000.0		--
Juncus effusus	Leaf		24000.0	-0.6468655854111347	--
Juncus effusus	Seed		50000.0	-1.1345234870329484	--
Juniperus communis	Seed		539000.0	1.441214427871716	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Juniperus communis	Fruit	17360.0	56000.0	-0.21352859426457804	--
Justicia pectoralis	Leaf	6000.0	40000.0	-0.3280369805435145	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Plant	Part	Low PPM	High PPM	StdDev	Reference
Justicia adhatoda	Seed		258000.0	-0.038913085601107615	--
Kalmia latifolia	Leaf		95000.0	0.76793634868893	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Lablab purpureus	Seed	2000.0	16488.0	-1.3110431782482554	--
Lablab purpureus	Fruit	1000.0	5682.0	-0.5978534308473846	--
Lactuca sativa	Leaf	3000.0	50000.0	-0.12876910250125184	--
Lactuca scariola	Seed		352000.0	0.4562185381228977	--
Lagenaria siceraria	Seed	450000.0	525400.0	1.3695783631627112	--
Lagenaria siceraria	Fruit	200.0	4485.0	-0.6069960205645757	--
Lagerstroemia indica	Seed		83000.0	-0.9607006829596275	--
Lantana camara	Seed	90000.0	480000.0	1.1304403236194152	--
Larrea tridentata	Seed		117000.0	-0.781610521187115	--
Larrea tridentata	Plant	15134.0	46000.0	-0.08387794298838314	--
Laurus nobilis	Fruit	200000.0	550000.0	3.5596036699730003	--
Lawsonia inermis	Seed	56000.0	122220.0	-0.7541149139973352	--
Lens culinaris	Sprout Seedling	5200.0	19335.0	-0.7135388246680436	USDA's Ag Handbook 8 and sequelae)
Lens culinaris	Seed	7000.0	11800.0	-1.3357365511420654	--
Leonotis nepetaefolia	Seed	280000.0	380000.0	0.6037045537002609	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Leonurus cardiaca	Seed		302000.0	0.19285065316332026	--
Lepidium sativum	Seed	150000.0	255000.0	-0.05471515869868224	--
Lepidium meyenii	Root	16000.0	22000.0	-0.029340747310399002	--
Lepidium sativum	Leaf	7000.0	66040.0	0.19085657387853744	--
Levisticum officinale	Fruit		147000.0	0.48152208598971263	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Licania platypus	Fruit	2600.0	13840.0	-0.535543283050522	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
Ligustrum lucidum	Fruit	100000.0	150000.0	0.5044358446794145	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Ligustrum japonicum	Seed		149000.0	-0.6130550748129857	--
Limonia acidissima	Fruit	6000.0	55770.0	-0.21528531576412185	--
Limonia acidissima	Seed	270000.0	281250.0	0.08355298090509575	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Linum usitatissimum	Hay	33000.0	61000.0	1.0	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Linum usitatissimum	Seed	40000.0	450000.0	0.9724195926436688	--
Liquidambar styraciflua	Seed		297000.0	0.16651386466736254	--
Lobelia inflata	Leaf	3164.0	28000.0	-0.5671584341942296	--
Lobelia inflata	Seed		30000.0	-1.2398706410167792	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Luffa aegyptiaca	Leaf	0.0	17000.0	-0.7863531000407186	--
Luffa aegyptiaca	Fruit	2000.0	40000.0	-0.33573530727632145	--
Luffa aegyptiaca	Seed	200000.0	450000.0	0.9724195926436688	--
Lupinus mutabilis	Fruit	51000.0	178000.0	0.7182975924499655	--
Lupinus albus	Seed	97400.0	108630.0	-0.8256983051293483	--
Lupinus mutabilis	Seed	140000.0	240000.0	-0.13372552418655537	--
Lycium chinense	Seed		191000.0	-0.39182605144694094	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Lycium chinense	Leaf	6000.0	58000.0	0.03064519993255828	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Lycopersicon esculentum	Seed	150000.0	250000.0	-0.08105194719463996	--
Lycopersicon esculentum	Fruit	1330.0	47441.0	-0.27890154780629756	--
Lycopodium clavatum	Pollen Or Spore	400000.0	500000.0		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
Macadamia spp	Seed	714000.0	775000.0	2.6843108448809203	--
Maclura pomifera	Leaf		18700.0	-0.7524775607735339	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Maclura pomifera	Fruit	51600.0	183400.0	0.7595423580914289	Smith, J. L. and Perino, J. V. 1981. Osage Orange (Maclura pomifera): History and Economic Uses. Economic Botany 35(1): 24-41
Maclura pomifera	Seed		420000.0	0.8143988616679225	Smith, J. L. and Perino, J. V. 1981. Osage Orange (Maclura pomifera): History and Economic Uses. Economic Botany 35(1): 24-41
Malpighia glabra	Fruit	3000.0	34924.0	-0.3745053869792971	--
Malus domestica	Fruit	3210.0	34200.0	-0.3800352407430785	--
Malus domestica	Seed	180000.0	230000.0	-0.1863991011784708	--
Malva sylvestris	Seed	97000.0	167000.0	-0.518242636227538	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Malva parviflora	Leaf	2000.0	15000.0	-0.8262066756491712	--
Malva sylvestris	Leaf		14000.0	-0.8461334634533975	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Malva neglecta	Seed	70000.0	152000.0	-0.5972530017154111	--
Malva parviflora	Seed	130000.0	180000.0	-0.44976698613804794	--
Mammea americana	Fruit	1000.0	68275.0	-0.11977313162588114	--
Mandragora officinarum	Seed		226000.0	-0.20746853197523696	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Mangifera indica	Leaf	4000.0	38000.0	-0.367890556151967	--
Mangifera indica	Fruit	1000.0	16890.0	-0.5122476283826584	--
Mangifera indica	Seed		107000.0	-0.8342840981790305	--
Manihot esculenta	Root	1000.0	12.385	-0.7625966551092769	--
Manihot esculenta	Leaf	2000.0	20000.0	-0.7265727366280398	--
Manilkara zapota	Fruit	7000.0	44000.0	-0.30518362902338564	--
Maranta arundinacea	Root	1000.0	6000.0	-0.5629181509888809	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Plant	Part	Low PPM	High PPM	StdDev	Reference
Marrubium vulgare	Seed	264000.0	372000.0	0.5615656921067286	--
Mauritia flexuosa	Fruit	250000.0	534475.0	3.4410249687537933	J Cell Biochem VOL. 22=1995
Medicago sativa	Plant	8084.0	43000.0	-0.12766435472464482	--
Medicago sativa	Seed	101000.0	123000.0	-0.7500063749919659	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Melia azedarach	Seed	40000.0	400000.0	0.7090517076840918	--
Melicoccus bijugatas	Fruit	800.0	13000.0	-0.5419591354836385	--
Melilotus alba	Seed	56000.0	83000.0	-0.9607006829596275	--
Melilotus officinalis	Seed	19000.0	83000.0	-0.9607006829596275	--
Melilotus indica	Plant	17000.0	19000.0	-0.4779556486147383	--
Melissa officinalis	Seed		115000.0	-0.7921452365854982	--
Menispermum canadense	Seed		160000.0	-0.5551141401218788	--
Mentha x rotundifolia	Seed		282000.0	0.08750349917948941	--
Mentha pulegium	Seed		266000.0	0.0032257759924247268	--
Mentha x piperita	Leaf	8046.0	54000.0	-0.049061951284346775	--
Mentha pulegium	Plant		45000.0	-0.09847341356713703	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Mentha spicata	Plant	6000.0	50519.0	-0.01792101144299427	--
Mercurialis annua	Root		1200.0	-0.7229913720924256	--
Mimosa pudica	Leaf	0.0	32000.0	-0.4874512829773246	--
Mimosa hostilis	Plant		30800.0	-0.3057290957854424	--
Mimosa pudica	Seed	24000.0	170000.0	-0.5024405631299633	--
Mimulus glabratus	Shoot	8000.0	80000.0	0.6326591593247706	--
Mirabilis expansa	Root	2500.0	27000.0	0.1374021913391266	--
Mirabilis jalapa	Seed	39000.0	46000.0	-1.1555929178297146	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Momordica charantia	Seed	10000.0	496000.0	1.2147180468064798	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Plant	Part	Low PPM	High PPM	StdDev	Reference
Momordica charantia	Leaf	4000.0	39000.0	-0.34796376834774073	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Monarda punctata	Seed		313000.0	0.25079158785442723	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Morinda citrifolia	Leaf	78000.0	348200.0	5.81339902071902	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Moringa oleifera	Leaf	17000.0	68000.0	0.2299130779748209	USDA's Ag Handbook 8 and sequelae)
Moringa oleifera	Shoot	14000.0	65600.0	0.36045988673155943	USDA's Ag Handbook 8 and sequelae)
Moringa oleifera	Fruit	2000.0	16950.0	-0.5117893532088643	USDA's Ag Handbook 8 and sequelae)
Moringa oleifera	Seed	200000.0	500000.0	1.235787477603246	--
Morus alba	Leaf	68000.0	74000.0	0.3494738048001785	--
Morus alba	Fruit	4000.0	32000.0	-0.3968386637821932	--
Morus alba	Seed	330000.0	380000.0	0.6037045537002609	--
Mucuna pruriens	Seed	7000.0	63000.0	-1.0660478369434583	--
Muntingia calabura	Fruit	4000.0	97000.0	0.09962610782801447	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Murraya sp	Fruit	2970.0	12758.0	-0.5438075120179411	--
Murraya koenigii	Leaf	10000.0	63000.0	0.1302791389536896	--
Musa x paradisiaca	Fruit	2970.0	12758.0	-0.5438075120179411	USDA's Ag Handbook 8 and sequelae)
Musa x paradisiaca	Leaf		118000.0	1.2262524681861342	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Musa x paradisiaca	Hull Husk		87000.0	1.0	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Musa x paradisiaca	Sprout Seedling		23000.0	-0.5906796110057675	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Musa x paradisiaca	Shoot	8480.0	115000.0	1.2942546135443802	Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Musa x paradisiaca	Flower		2000.0	-0.8785127344323188	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Musa x paradisiaca	Pith		1000.0	-1.0	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Myrciaria cauliflora	Fruit	0.0	109000.0	0.19128114258682202	--
Myrica cerifera	Bark	1744.0	8000.0	-0.8086779671088092	--
Myrica cerifera	Seed		133000.0	-0.6973327980000504	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Myrica cerifera	Leaf		22000.0	-0.6867191610195872	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Myristica fragrans	Aril	244000.0	324000.0	-0.0012580836022265188	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Myristica fragrans	Seed	250000.0	400000.0	0.7090517076840918	--
Myrtus communis	Seed	120000.0	150000.0	-0.6077877171137942	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Nandina domestica	Seed				--
Nasturtium officinale	Herb	1000.0	20000.0	-1.0	--
Nelumbo nucifera	Fruit	24000.0	26667.0	-0.4375716888129199	--
Nelumbo nucifera	Seed	2000.0	27000.0	-1.255672714114354	--
Nelumbo nucifera	Rhizome	1000.0	6790.0	-0.8553236515091139	--
Nepeta cataria	Seed		212000.0	-0.28121153976391855	--
Nerium oleander	Seed	170000.0	294000.0	0.15071179156978792	--
Neurolaena lobata	Seed		348000.0	0.4351491073261315	--
Nicotiana tabacum	Seed	250000.0	350000.0	0.44568382272451457	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Nigella sativa	Seed	354900.0	416000.0	0.7933294308711564	--
Ocimum tenuiflorum	Plant		21700.0	-0.4385478780521028	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Ocimum sanctum	Seed		155000.0	-0.5814509286178364	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Ocimum basilicum	Leaf	12000.0	89000.0	0.6483756218635724	--
Ocimum basilicum	Seed		242000.0	-0.12319080878817229	--
Ocimum tenuiflorum	Seed		155000.0	-0.5814509286178364	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Oenanthe aquatica	Fruit		200000.0	0.8863318228411128	--
Oenothera biennis	Seed	140000.0	320000.0	0.28766309174876803	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Oenothera biennis	Plant	23000.0	43000.0	-0.12766435472464482	--
Olea europaea	Twig		61000.0		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Olea europaea	Seed		300000.0	0.18231593776493718	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Olea europaea	Leaf		73000.0	0.32954701699595224	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Olea europaea	Fruit	127000.0	583000.0	3.811655015559721	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Opuntia ficus-indica	Seed	54000.0	182000.0	-0.4392322707396648	--
Opuntia ficus-indica	Fruit	4000.0	29400.0	-0.4166972546466015	--
Opuntia ficus-indica	Bud		24800.0	1.0	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
Origanum majorana	Plant	8000.0	77950.0	0.3824473420028041	USDA's Ag Handbook 8 and sequelae)
Origanum vulgare	Plant	88940.0	125000.0	1.069164232733175	USDA's Ag Handbook 8 and sequelae)
Oryza sativa	Seed	15000.0	27000.0	-1.255672714114354	--
Oryza sativa	Plant	9000.0	15000.0	-0.5363375309297539	--
Oxalis tuberosa	Root	6000.0	37000.0	0.4708880686381778	--
Pachira aquatica	Seed		580000.0	1.6571760935385693	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Pachira macrocarpa	Seed	392000.0	414000.0	0.7827947154727734	--
Pachyrhizus erosus	Tuber	2000.0	18435.0	0.8561033518276923	--
Pachyrhizus erosus	Seed		200000.0	-0.34441983215421706	--
Paeonia officinalis	Seed		236100.0	-0.1542682192134024	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Panax quinquefolius	Plant		10000.0	-0.6093148838235234	--
Panax ginseng	Root	3752.0	17700.0	-0.172739674548991	--
Panicum maximum	Leaf	7000.0	32000.0	-0.4874512829773246	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Papaver somniferum	Seed	400000.0	550000.0	1.4991553625628231	--
Papaver bracteatum	Seed	450000.0	480000.0	1.1304403236194152	--
Parthenium integrifolium	Root	3200.0	20000.0	-0.09603792277020924	--
Passiflora quadrangularis	Fruit	2000.0	95000.0	0.08435026870154654	--
Passiflora foetida	Seed		248000.0	-0.09158666259302303	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Passiflora edulis	Fruit	7000.0	28000.0	-0.42739034203512904	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Passiflora incarnata	Fruit	33000.0	120000.0	0.27529825778239564	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Passiflora mollissima	Fruit	1000.0	12500.0	-0.5457780952652554	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Passiflora foetida	Fruit	400.0	22220.0	-0.47153751711062136	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Passiflora quadrangularis	Seed	13000.0	60000.0	-1.081849910041033	--
Passiflora incarnata	Flower	9130.0	83000.0	0.3985901018999854	--
Passiflora ligularis	Fruit	1000.0	118145.0	0.26112991699259663	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Passiflora edulis	Seed	230000.0	238000.0	-0.14426023958493847	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Pastinaca sativa	Root	3000.0	24000.0	0.03735642814941123	--
Pastinaca sativa	Seed	173000.0	288000.0	0.11910764537463867	--
Paullinia cupana	Seed		30000.0	-1.2398706410167792	Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Peganum harmala	Plant	15000.0	46450.0	-0.07730998122794387	--
Peganum harmala	Seed	135000.0	175000.0	-0.4761037746340056	--
Peperomia pelucida	Leaf	3000.0	38460.0	-0.3587242337620229	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Pereskia aculeata	Fruit	1000.0	81400.0	-0.01952543735843537	--
Perideridia gairdneri	Root		16100.0	-0.22609741491683918	Izadoost, M. & Robinson, T., Synergism & antagonism in the pharmacology of alkaloidal plants, pp 137-58 in Craker, L. & Simon, J., eds., Herbs, Spices & Medicinal Plants: Recent Advances in Botany, Horticulture & Pharmacology, v. 2, 1987, 255pp.
Perilla frutescens	Leaf		6000.0	-1.0055477658872076	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Perilla frutescens	Seed	13000.0	481000.0	1.1357076813186067	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Persea americana	Fruit	40000.0	864000.0	5.957910412828465	--
Persea schiedeana	Fruit	55500.0	323000.0	1.8257959291188903	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Petasites japonicus	Pt	400.0	7270.0	-1.0	USDA's Ag Handbook 8 and sequelae)
Petroselinum crispum	Seed	130000.0	330000.0	0.3403366687406834	--
Petroselinum crispum	Plant	3792.0	48000.0	-0.05468700183087534	--
Phaseolus acutifolius	Hay	19000.0	35000.0	-1.0	--
Phaseolus coccineus	Fruit	3000.0	10000.0	-0.5648728941733404	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Plant	Part	Low PPM	High PPM	StdDev	Reference
Phaseolus vulgaris	Sprout Seedling	5000.0	53763.0	0.44056677095674335	USDA's Ag Handbook 8 and sequelae)
Phaseolus vulgaris	Fruit	2000.0	47000.0	-0.2822698703336837	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Phaseolus lunatus	Leaf	0.0	48000.0	-0.16862267810970435	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Phaseolus acutifolius	Fruit		5000.0	-0.6030624919895102	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Phaseolus lunatus	Fruit		6000.0	-0.5954245724262762	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Phaseolus vulgaris	Seed	3000.0	24000.0	-1.2714747872119285	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Phaseolus lunatus	Sprout Seedling	2900.0	22000.0	-0.624201906684424	--
Phaseolus acutifolius	Seed	4700.0	15000.0	-1.3188810065046523	--
Phaseolus coccineus	Seed	15000.0	24000.0	-1.2714747872119285	--
Phaseolus vulgaris	Leaf	4000.0	54000.0	-0.049061951284346775	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Phaseolus lunatus	Seed	1000.0	28898.0	-1.2456752692012885	--
Phellodendron amurense	Plant		517000.0	6.790588699604701	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Phellodendron amurense	Cr		517000.0		--
Phoenix dactylifera	Seed	60000.0	100000.0	-0.8711556020733713	--
Phoenix dactylifera	Fruit	1000.0	25000.0	-0.4503041007248309	--
Phoradendron serotinum	Leaf		56000.0	-0.00920837567589425	--
Phragmites australis	Shoot		23000.0	-0.4447962946900227	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Phragmites australis	Rhizome		9000.0	-0.8057267341079767	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Phyllanthus emblica	Fruit	1000.0	31000.0	-0.40447658334542713	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Plant	Part	Low PPM	High PPM	StdDev	Reference
Phyllanthus acidus	Fruit	4000.0	209000.0	0.9550730989102184	--
Phyllanthus emblica	Seed		160000.0	-0.5551141401218788	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Physalis ixocarpa	Fruit	6000.0	87000.0	0.023246912195674825	--
Physalis angulata	Fruit	4000.0	40000.0	-0.33573530727632145	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Physalis peruviana	Seed		63000.0	-1.0660478369434583	--
Physalis alkekengi	Seed		110000.0	-0.8184820250814558	--
Physalis peruviana	Fruit	2000.0	12000.0	-0.5495970550468725	--
Phytelephas aequatorialis	Mesocarp	6200.0	426925.0		KOZIOL & PEDERSEN. 1993. PHYTELEPHAS AEQUATORIALIS(ARECACEAE) IN HUMAN AND ANIMAL NUTRITION. ECON. BOT. 47:401-307.
Phytelephas macrocarpa	Seed		16000.0	-1.3136136488054608	--
Phytelephas aequatorialis	Flower	20000.0	68495.0	0.16989409398640426	KOZIOL & PEDERSEN. 1993. PHYTELEPHAS AEQUATORIALIS(ARECACEAE) IN HUMAN AND ANIMAL NUTRITION. ECON. BOT. 47:401-307.
Phytelephas aequatorialis	Seed	3300.0	26850.0	-1.2564628177692325	KOZIOL & PEDERSEN. 1993. PHYTELEPHAS AEQUATORIALIS(ARECACEAE) IN HUMAN AND ANIMAL NUTRITION. ECON. BOT. 47:401-307.
Phytolacca americana	Shoot	4000.0	48000.0	0.02777188689541282	--
Pimenta dioica	Leaf	36000.0	41000.0	-0.3081101927392882	--
Pimpinella anisum	Fruit	176000.0	304000.0	1.680675457417445	--
Pimpinella anisum	Seed	80000.0	304000.0	0.20338536856170333	--
Pinus strobus	Plant				--
Pinus edulis	Seed	609000.0	648035.0	2.015540774603066	--
Pinus walliciana	Seed		202000.0	-0.333885116755834	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
Pinus pinea	Seed	474000.0	560500.0	1.5544626184043342	--
Pinus gerardiana	Seed	320000.0	540500.0	1.4491154644205033	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Pinus cembroides	Seed	605000.0	637000.0	1.9574154823924872	USDA's Ag Handbook 8 and sequelae)
Piper nigrum	Fruit	30940.0	100000.0	0.12253986651771635	--
Piper betel	Leaf	8000.0	135000.0	1.5650078608579805	--
Piper auritum	Leaf	14000.0	79000.0	0.4491077438213098	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Pistacia vera	Seed	470370.0	567000.0	1.5887004434490792	--
Pistacia lentiscus	Seed	130000.0	312000.0	0.24552423015523567	--
Pisum sativum	Fruit	2000.0	19782.0	-0.49015876500578576	--
Pisum sativum	Seed	3670.0	20481.0	-1.2900106189553835	--
Pisum sativum	Plant	15000.0	54000.0	0.03288582164164804	--
Plantago psyllium	Hull Husk		34000.0	-1.0	--
Plantago asiatica	Seed		81000.0	-0.9712353983580106	--
Plantago ovata	Seed	50000.0	51000.0	-1.1292561293337569	--
Plantago psyllium	Seed	8066.0	37000.0	-1.2029991371224384	--
Plantago major	Seed	54000.0	180000.0	-0.44976698613804794	--
Platonia insignis	Fruit	20000.0	72200.0	-0.08979429734018785	--
Platycodon grandiflorum	Root	9000.0	12000.0	-0.3628266246094502	--
Plectranthus amboinicus	Leaf	4000.0	71430.0	0.298261960143317	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Polygonum multiflorum	Root		15000.0	-0.26278086141973483	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Polymnia edulis	Root	3000.0	33000.0	0.3374937177185573	--
Portulaca oleracea	Seed		174000.0	-0.48137113233319717	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Portulaca oleracea	Herb	1900.0	63000.0	1.0	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Pothomorphe sp.	Leaf	34000.0	190000.0	2.660981190090425	--
Pourouma cecropiaefolia	Fruit	3000.0	16665.0	-0.513966160284386	J Cell Biochem VOL. 22=1995
Pouteria campechiana	Fruit	4000.0	20000.0	-0.4884936985410007	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Pouteria caimito	Fruit	4000.0	42470.0	-0.31686964595513356	--
Pouteria viridis	Fruit	2000.0	6330.0	-0.592904058970409	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Prosopis juliflora	Leaf		29000.0	-0.5472316463900033	--
Prosopis juliflora	Fruit		30000.0	-0.4121145029086611	--
Prosopis juliflora	Seed	53000.0	78000.0	-0.9870374714555853	--
Prunus persica	Fruit	860.0	18000.0	-0.5037695376674687	--
Prunus domestica	Seed	390000.0	420000.0	0.8143988616679225	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Prunus armeniaca	Seed	400000.0	514000.0	1.3095304853919276	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Prunus salicifolia	Fruit	2600.0	15950.0	-0.5194272727720983	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Prunus laurocerasus	Seed	250000.0	450000.0	0.9724195926436688	--
Prunus domestica	Fruit	6000.0	43243.0	-0.31096553413275374	USDA's Ag Handbook 8 and sequelae)
Prunus armeniaca	Fruit	2200.0	41000.0	-0.3280973877130875	USDA's Ag Handbook 8 and sequelae)
Prunus persica	Seed	399000.0	456000.0	1.004023738838818	--
Prunus dulcis	Seed	350000.0	621000.0	1.8731377592054226	--
Prunus cerasus	Fruit	3000.0	48000.0	-0.2746319507704498	--
Psidium guajava	Fruit	1000.0	43200.0	-0.3112939646739728	--
Psidium cattleianum	Fruit	3000.0	33000.0	-0.3892007442189592	--
Psidium guajava	Seed	100000.0	143000.0	-0.644659221008135	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Psidium guajava	Leaf		60000.0	0.0704987755410108	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Psophocarpus tetragonolobus	Leaf	11000.0	47520.0	-0.17818753625573297	--
Psophocarpus tetragonolobus	Tuber	9000.0	21127.0	1.3456169931021502	--
Psophocarpus tetragonolobus	Seed	5430.0	180020.0	-0.4496616389840641	--
Psoralea corylifolia	Seed		100000.0	-0.8711556020733713	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Psoralea esculenta	Root		36800.0	0.4642183510921967	Izadoost, M. & Robinson, T., Synergism & antagonism in the pharmacology of alkaloidal plants, pp 137-58 in Craker, L. & Simon, J., eds., Herbs, Spices & Medicinal Plants: Recent Advances in Botany, Horticulture & Pharmacology, v. 2, 1987, 255pp.
Pteridium aquilinum	Rhizome	12000.0	13333.0	-0.7084853571400457	--
Pteridium aquilinum	Leaf	1000.0	11494.0	-0.8960699936907885	--
Pueraria montana	Shoot	16000.0	35000.0	-0.21796356752901366	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Pueraria montana	Root	1000.0	3185.0	-0.6567944254485638	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Punica granatum	Seed	50000.0	200000.0	-0.34441983215421706	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Punica granatum	Fruit	1000.0	38000.0	-0.3510111464027894	--
Pyrus communis	Fruit	2790.0	32198.0	-0.39532635570867286	--
Quararibea cordata	Fruit	1000.0	15000.0	-0.5266832963571706	--
Quercus alba	Seed	78000.0	253100.0	-0.06472313832714617	--
Quercus alba	Flower		253100.0	3.080506058197824	--
Quercus alba	Bark	912.0	4000.0	-1.1012917052073916	--
Quisqualis indica	Seed	230000.0	270000.0	0.024295206789190896	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Raphanus sativus	Root	1000.0	187000.0	5.473176228123946	--
Raphanus sativus	Leaf	6000.0	52000.0	-0.0889155268927993	--
Raphanus sativus	Seed	298000.0	410000.0	0.7617252846760071	--
Raphanus sativus	Fruit	3000.0	50000.0	-0.2593561116439818	--
Rauvolfia serpentina	Seed	10000.0	97000.0	-0.8869576751709459	--
Rheum rhabarbarum	Pt	1000.0	32000.0	1.0	--
Rheum rhabarbarum	Leaf	1000.0	65000.0	0.17013271456214213	--
Rhizophora mangle	Leaf	34000.0	36000.0	-0.4077441317604195	--
Rhus glabra	Seed	87000.0	120000.0	-0.7658084480895404	--
Rhynchosia minima	Seed		6000.0	-1.3662872257973764	--
Rhynchosia minima	Shoot		42000.0	-0.0856444766850917	--
Ribes uva-crispa	Fruit	5800.0	47815.0	-0.27604496588964805	--
Ribes nigrum	Seed	250000.0	305000.0	0.20865272626089487	--
Ribes rubrum	Seed	160000.0	250000.0	-0.08105194719463996	--
Ribes nigrum	Fruit	3150.0	27977.0	-0.42756601418508344	USDA's Ag Handbook 8 and sequelae)
Ribes rubrum	Fruit	2000.0	12460.0	-0.5460836120477849	--
Ribes uva-crispa	Seed	183000.0	200000.0	-0.34441983215421706	--
Ricinus communis	Seed	430000.0	700000.0	2.2892590174415544	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Ricinus communis	Leaf		54000.0	-0.049061951284346775	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Robinia pseudoacacia	Seed	108000.0	133000.0	-0.6973327980000504	--
Robinia pseudoacacia	Leaf	30000.0	33000.0	-0.4675244951730983	--
Rollinia mucosa	Fruit	2000.0	8775.0	-0.574229345638302	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
Rosa canina	Fruit	3553.0	19000.0	-0.49613161810423473	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Rosa multiflora	Seed		80000.0	-0.9765027560572022	--
Rosa canina	Seed	80000.0	108000.0	-0.829016740479839	--
Rosmarinus officinalis	Plant	58600.0	187418.0	1.9801843153178358	USDA's Ag Handbook 8 and sequelae)
Rubus idaeus	Fruit	5100.0	44130.0	-0.3041906994801652	Revised USDA data received 1993.
Rubus idaeus	Seed	145000.0	240000.0	-0.13372552418655537	--
Rubus idaeus	Leaf	2873.0	17000.0	-0.7863531000407186	--
Rumex crispus	Leaf	3000.0	40540.0	-0.3172765151292323	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Rumex acetosa	Fruit		47000.0	-0.2822698703336837	--
Rumex acetosella	Seed	17000.0	36000.0	-1.20826649482163	--
Rumex crispus	Root	10537.0	41000.0	0.6042824195577983	--
Rumex acetosa	Leaf	3000.0	50000.0	-0.12876910250125184	--
Ruscus aculeatus	Root	6040.0	20000.0	-0.09603792277020924	--
Ruta graveolens	Seed		370000.0	0.5510309767083454	--
Salix alba	Bark	840.0	5000.0	-1.028138270682746	--
Salvia sp.	Seed	228000.0	360000.0	0.49835739971643	--
Salvia officinalis	Seed		250000.0	-0.08105194719463996	--
Salvia officinalis	Leaf	21666.0	138000.0	1.6247882242706593	--
Salvia sclarea	Seed		318000.0	0.27712837635038495	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Sambucus nigra	Fruit	800.0	5045.0	-0.6027187856091647	--
Sambucus canadensis	Seed	201000.0	320000.0	0.28766309174876803	--
Sambucus nigra	Seed		123000.0	-0.7500063749919659	--
Sambucus canadensis	Fruit	5000.0	24750.0	-0.45221358061563943	USDA's Ag Handbook 8 and sequelae)
Sambucus nigra	Leaf		48200.0	-0.1646373205488591	--
Sanguisorba minor	Plant		94000.0	0.6167046447918041	--
Sanguisorba officinalis	Seed		135000.0	-0.6867980826016673	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Sanguisorba minor	Seed	16000.0	203000.0	-0.3286177590566424	--
Santalum album	Seed	500000.0	600000.0	1.7625232475224002	--
Santalum acuminatum	Fruit	2000.0	8585.0	-0.5756805503553164	--
Santalum acuminatum	Seed		600000.0	1.7625232475224002	--
Sassafras albidum	Seed	119000.0	604000.0	1.7835926783191665	--
Satureja hortensis	Seed		420000.0	0.8143988616679225	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Satureja hortensis	Plant	16500.0	65000.0	0.19343599800794112	--
Saussurea lappa	Root		180000.0	5.23973611401461	--
Schinus terebinthifolius	Seed	80000.0	322000.0	0.2981978071471511	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Schinus molle	Fruit	77000.0	124000.0	0.3058499360353315	--
Schisandra chinensis	Fruit	17100.0	114000.0	0.22947074040299184	--
Schoenocaulon officinale	Seed	90000.0	250000.0	-0.08105194719463996	--
Sclerocarya caffra	Fruit	1000.0	12000.0	-0.5495970550468725	--
Sclerocarya caffra	Seed	530000.0	600000.0	1.7625232475224002	--
Scutellaria lateriflora	Plant	2055.0	15000.0	-0.5363375309297539	--
Secale cereale	Seed	14000.0	40425.0	-1.1849584370027075	USDA's Ag Handbook 8 and sequelae)
Secale cereale	Leaf		23000.0	-0.666792373215361	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Sechium edule	Fruit	1000.0	42860.0	-0.31389085732547234	--
Sechium edule	Shoot	22000.0	297300.0	4.740221793665376	--
Sechium edule	Leaf	23200.0	131100.0	1.4872933884214983	--
Senna alata	Seed	29000.0	35000.0	-1.2135338525208215	--
Senna occidentalis	Seed	23000.0	39000.0	-1.1924644217240554	--
Senna obtusifolia	Seed	52900.0	63000.0	-1.0660478369434583	--
Senna alexandrina	Leaf	2030.0	10000.0	-0.9258406146703025	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Serenoa repens</i>	Fruit	3510.0	27000.0	-0.435028261598363	--
<i>Sesamum indicum</i>	Seed	328000.0	576321.0	1.6377974845632437	--
<i>Sesamum indicum</i>	Leaf		48000.0	-0.16862267810970435	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Sicana odorifera</i>	Fruit	200.0	7935.0	-0.5806451980714186	--
<i>Sida rhombifolia</i>	Leaf	14000.0	71000.0	0.2896934413874997	--
<i>Silybum marianum</i>	Seed	160000.0	450000.0	0.9724195926436688	--
<i>Silybum marianum</i>	Leaf	12760.0	58000.0	0.03064519993255828	--
<i>Silybum marianum</i>	Plant		58000.0	0.09126770395666363	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Simaba cedron</i>	Seed		120000.0	-0.7658084480895404	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Simarouba glauca</i>	Seed	620000.0	677000.0	2.1681097903601487	--
<i>Simmondsia chinensis</i>	Seed	456000.0	538000.0	1.4359470701725245	--
<i>Sinapis alba</i>	Seed	283271.0	312364.0	0.2474415483577414	--
<i>Skimmia arborescens</i>	Seed		268000.0	0.013760491390807811	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Smilax officinalis</i>	Root	4410.0	21000.0	-0.06268933504030412	--
<i>Smilax china</i>	Seed		111000.0	-0.8132146673822643	--
<i>Smilax</i> spp	Root	4410.0	21000.0	-0.06268933504030412	--
<i>Solanum torvum</i>	Fruit	4000.0	27000.0	-0.435028261598363	--
<i>Solanum melongena</i>	Seed	198300.0	212000.0	-0.28121153976391855	--
<i>Solanum quitoensis</i>	Fruit	1000.0	16900.0	-0.5121712491870261	--
<i>Solanum nigrum</i>	Seed	215000.0	300000.0	0.18231593776493718	--
<i>Solanum melongena</i>	Leaf	4000.0	29000.0	-0.5472316463900033	--
<i>Solanum tuberosum</i>	Tuber	1000.0	9000.0	-0.8595583143775491	--
<i>Solanum nigrum</i>	Leaf	4000.0	53000.0	-0.06898873908857305	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Solanum melongena	Fruit	1000.0	38000.0	-0.3510111464027894	--
Sonchus oleraceus	Leaf	3000.0	44000.0	-0.2483298293266094	--
Sophora japonica	Seed	69000.0	121000.0	-0.7605410903903489	--
Sophora secundiflora	Seed	134000.0	252000.0	-0.07051723179625687	--
Sorbus aucubaria	Seed		210000.0	-0.2917462551623016	--
Spartium junceum	Stem		46000.0	1.3743375942150367	--
Spartium junceum	Seed	100000.0	124000.0	-0.7447390172927743	--
Sphenostylis stenocarpa	Root	2000.0	6000.0	-0.5629181509888809	--
Sphenostylis stenocarpa	Seed	11000.0	12000.0	-1.334683079602227	--
Spinacia oleracea	Plant	3070.0	46672.0	-0.07406978675946051	USDA's Ag Handbook 8 and sequelae)
Spirulina pratensis	Plant		21000.0	-0.44876470745723057	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Spirulina spp.	Plant		21000.0	-0.44876470745723057	--
Spondias purpurea	Fruit	1000.0	12000.0	-0.5495970550468725	--
Spondias dulcis	Fruit	1000.0	8000.0	-0.5801487332998083	--
Spondias pinnata	Fruit	30000.0	309000.0	1.7188650552336149	--
Spondias mombin	Fruit	2000.0	121000.0	0.2829361773456296	--
Stachys officinalis	Plant	3024.0	18000.0	-0.49255111919349226	--
Stellaria media	Seed	48000.0	59000.0	-1.0871172677402245	--
Stellaria media	Plant	3984.0	48000.0	-0.05468700183087534	--
Sterculia urens	Seed	200000.0	260000.0	-0.028378370202724528	--
Sterculia urens	Gum		2800.0		--
Stevia rebaudiana	Leaf		19000.0	-0.746499524432266	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Stillingia sylvatica	Seed	30000.0	32000.0	-1.2293359256183962	--
Strophanthus hispidus	Seed		320000.0	0.28766309174876803	--
Strychnos nux-vomica	Seed	40000.0	50000.0	-1.1345234870329484	--
Symphytum officinale	Leaf	1320.0	12000.0	-0.8859870390618501	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Symphytum officinale	Root		17000.0	-0.1960836859599246	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Syzygium malaccense	Fruit	1000.0	62000.0	-0.16770107688517427	--
Syzygium jambos	Fruit	2000.0	19350.0	-0.49345834625710283	--
Syzygium aromaticum	Flower	89000.0	201000.0	2.2590609005075395	--
Syzygium aromaticum	Fruit	89000.0	201000.0	0.8939697424043467	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Syzygium cumini	Fruit	1000.0	18400.0	-0.5007143698421751	--
Tabebuia heptaphylla	Bark	895.0	5000.0	-1.028138270682746	--
Tagetes erecta	Seed	200000.0	205000.0	-0.31808304365825935	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Tamarindus indica	Fruit	3000.0	16000.0	-0.5190453767939366	--
Tamarindus indica	Seed	60000.0	74000.0	-1.0081069022523514	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Tamarindus indica	Flower		90000.0	0.5089570136817895	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Tamarindus indica	Leaf	36000.0	44000.0	-0.2483298293266094	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Tanacetum parthenium	Plant		48000.0	-0.05468700183087534	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Tanacetum parthenium	Seed		312000.0	0.24552423015523567	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Taraxacum officinale	Leaf	7000.0	143000.0	1.7244221632917907	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Taraxacum officinale	Root	2288.0	16000.0	-0.2294322736898297	--
Tecoma stans	Seed	200000.0	230000.0	-0.1863991011784708	--
Tephrosia purpurea	Leaf	24000.0	27000.0	-0.5870852219984559	--
Tephrosia vogelii	Seed	109000.0	134000.0	-0.6920654403008588	--
Tephrosia purpurea	Seed		91000.0	-0.9185618213660952	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Terminalia bellirica	Leaf		47000.0	-0.18854946591393063	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Terminalia catappa	Seed	500000.0	596000.0	1.741453816725634	--
Terminalia chebula	Seed	343000.0	364000.0	0.5194268305131962	--
Terminalia bellirica	Seed	250000.0	700000.0	2.2892590174415544	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Terminalia chebula	Fruit		400000.0	2.413915735487906	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Tetragonia tetragonioides	Leaf	2000.0	33335.0	-0.46084902125868255	--
Tetrapanax papyrifera	Pith		11000.0	1.0	--
Teucrium polium	Seed		146000.0	-0.6288571479105604	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Theobroma cacao	Fruit	44000.0	104760.0	0.15889636363871001	J Cell Biochem VOL. 22=1995
Theobroma bicolor	Seed	342300.0	562000.0	1.5623636549531215	--
Theobroma bicolor	Fruit	2900.0	36900.0	-0.3594128579223468	--
Theobroma speciosum	Fruit	92000.0	235900.0	1.160533135161212	J Cell Biochem VOL. 22=1995
Theobroma cacao	Seed	371000.0	582300.0	1.6692910162467098	--
Theobroma angustifolium	Seed	174800.0	460200.0	1.0261466411754225	--
Thespesia populnea	Seed	190000.0	200000.0	-0.34441983215421706	--
Thevetia neriifolia	Seed	500000.0	600000.0	1.7625232475224002	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Thevetia peruviana	Seed	500000.0	670000.0	2.131238286465808	--
Thuja occidentalis	Seed		150000.0	-0.6077877171137942	--
Thymus vulgaris	Plant	69480.0	80000.0	0.4123680566892496	--
Thymus vulgaris	Leaf	13440.0	80000.0	0.4690345316255361	--
Thymus vulgaris	Seed	370000.0	389000.0	0.6511107729929847	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Tilia sp.	Leaf	29000.0	33000.0	-0.4675244951730983	--
Tilia sp.	Fruit	30000.0	58000.0	3.7887412568700194	--
Trachyspermum ammi	Fruit	218000.0	334773.0	1.9157171561368438	--
Tragopogon porrifolius	Root	2000.0	39150.0	0.5425875322574738	--
Tribulus terrestris	Fruit	35000.0	50000.0	-0.2593561116439818	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Tribulus terrestris	Seed	292000.0	378000.0	0.5931698383018777	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Tribulus terrestris	Leaf		5000.0	-1.0254745536914338	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Trichosanthes anguina	Fruit	3000.0	55555.0	-0.21692746847021716	--
Trichosanthes anguina	Seed		321000.0	0.29293044944795954	--
Tridax procumbens	Leaf		18000.0	-0.7664263122364923	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Trifolium pratense	Seed		85000.0	-0.9501659675612444	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
Trifolium pratense	Flower	6480.0	36000.0	-0.34244487720641337	--
Trifolium pratense	Shoot	11000.0	36000.0	-0.19906084026559623	--
Trigonella foenum-graecum	Seed	8320.0	64000.0	-1.0607804792442668	--
Triticum aestivum	Plant	10000.0	30000.0	-0.3174054722484455	--
Triticum aestivum	Seed	8000.0	39000.0	-1.1924644217240554	--
Tropaeolum majus	Shoot	12000.0	87600.0	0.776319886526743	--
Tropaeolum majus	Seed	72000.0	102000.0	-0.8606208866749883	--
Tropaeolum tuberosum	Root	2000.0	42850.0	0.6659773068581227	--
Turnera diffusa	Leaf	9450.0	45000.0	-0.22840304152238317	--
Ulex europaeus	Plant	9000.0	19000.0	-0.4779556486147383	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Plant	Part	Low PPM	High PPM	StdDev	Reference
Ulex europaeus	Seed	117000.0	125000.0	-0.7394716595935827	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Ullucus tuberosus	Root	2000.0	14600.0	-0.2761202965116969	--
Ulmus rubra	Bark	1312.0	8000.0	-0.8086779671088092	--
Urtica dioica	Seed	231000.0	382000.0	0.6142392690986439	--
Urtica dioica	Leaf	4600.0	23000.0	-0.666792373215361	--
Vaccinium myrtillus	Seed		310000.0	0.2349895147568526	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Vaccinium myrtillus	Fruit	1760.0	22000.0	-0.4732178594145328	--
Vaccinium macrocarpon	Fruit	2280.0	19000.0	-0.49613161810423473	--
Vaccinium corymbosum	Fruit	3740.0	25090.0	-0.4496166879641399	--
Valeriana officinalis	Root	2714.0	23000.0	0.004007840419506115	--
Valerianella locusta	Plant	4000.0	55555.0	0.055581778391610354	--
Vanilla planifolia	Fruit	47000.0	212000.0	0.9779868575999203	--
Verbascum thapsus	Seed	35000.0	271000.0	0.029562564488382438	--
Verbascum thapsus	Leaf	5720.0	13000.0	-0.8660602512576238	--
Vernonia cinerea	Seed	38000.0	380000.0	0.6037045537002609	--
Vetiveria zizanioides	Leaf	11000.0	21000.0	-0.7066459488238135	--
Vicia faba	Seed	6000.0	31580.0	-1.2315482158520565	USDA's Ag Handbook 8 and sequelae)
Vicia faba	Fruit	1000.0	6850.0	-0.5889323407975273	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Vigna aconitifolia	Fruit		29000.0	-0.4197524224718951	--
Vigna subterranea	Seed	31000.0	92000.0	-0.9132944636669036	--
Vigna radiata	Sprout Seedling	1350.0	23625.0	-0.5697281762066071	USDA's Ag Handbook 8 and sequelae)
Vigna mungo	Plant		28000.0	-0.34659641340595326	--
Vigna aconitifolia	Seed	6000.0	24520.0	-1.268735761208349	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Vigna unguiculata	Shoot	2500.0	24462.0	-0.41716050743090644	--
Vigna unguiculata	Shoot	2500.0	24462.0	-0.41716050743090644	USDA's Ag Handbook 8 and sequelae)
Vigna unguiculata	Seed	13100.0	14306.0	-1.3225365527478914	USDA's Ag Handbook 8 and sequelae)
Vigna subterranea	Plant		18000.0	-0.49255111919349226	--
Vigna radiata	Seed	10060.0	14234.0	-1.3229158025022332	USDA's Ag Handbook 8 and sequelae)
Vigna mungo	Fruit		23000.0	-0.46557993985129886	--
Vigna aconitifolia	Plant		19000.0	-0.4779556486147383	--
Vigna unguiculata	Seed	8000.0	24300.0	-1.269894579902171	--
Vigna aconitifolia	Leaf		19000.0	-0.746499524432266	--
Vigna unguiculata	Fruit	4000.0	32922.0	-0.38979650194489146	USDA's Ag Handbook 8 and sequelae)
Vigna subterranea	Fruit		55000.0	-0.22116651382781202	--
Vigna mungo	Seed	9000.0	25000.0	-1.266207429512737	--
Vigna angularis	Seed	5300.0	6123.0	-1.3656393408003757	--
Virola surinamensis	Seed	600000.0	680000.0	2.1839118634577237	--
Viscum album	Leaf		23000.0	-0.666792373215361	--
Vitellaria paradoxa	Seed		526000.0	1.372738777782226	--
Vitex agnus-castus	Seed	38000.0	100000.0	-0.8711556020733713	--
Vitis vinifera	Fruit	5010.0	33898.0	-0.3823418924511751	USDA's Ag Handbook 8 and sequelae)
Vitis vinifera	Seed	60000.0	200000.0	-0.34441983215421706	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Xanthosoma sagittifolium	Root	1000.0	9000.0	-0.4628723877991655	--
Xanthosoma sagittifolium	Leaf	16600.0	103100.0	0.9293433299031628	--
Xylopia aethiopica	Fruit	128800.0	345000.0	1.9938301595100374	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Yucca baccata	Root	4784.0	23000.0	0.004007840419506115	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Yucca baccata	Seed		272000.0	0.03482992218757398	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Zea mays	Silk Stigma Style	25000.0	43000.0	-1.0	--
Zea mays	Seed	10480.0	54579.0	-1.1104042561283503	--
Zingiber officinale	Root	5040.0	72000.0	1.6380886391848568	--
Zingiber officinale	Rhizome	7000.0	77000.0	0.7203322628500908	--
Zizyphus jujuba	Leaf		43000.0	-0.2682566171308357	--
Zizyphus jujuba	Shoot		17000.0	-0.5582126582705272	--
Zizyphus jujuba	Fruit	1000.0	17000.0	-0.5114074572307027	--
Zizyphus jujuba	Seed	4000.0	335000.0	0.36667345723664146	--
Zizyphus spina-christi	Fruit	9000.0	10000.0	-0.5648728941733404	--