

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for FAT

Plant	Part	Low PPM	High PPM	StdDev	Reference
Phellodendron amurense	Plant		517000.0	6.790588699604701	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Artemisia absinthium	Leaf	334000.0	381000.0	6.466997660697641	--
Persea americana	Fruit	40000.0	864000.0	5.957910412828465	--
Morinda citrifolia	Leaf	78000.0	348200.0	5.81339902071902	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Elaeis guineensis	Fruit	460000.0	819000.0	5.614204032482936	--
Raphanus sativus	Root	1000.0	187000.0	5.473176228123946	--
Saussurea lappa	Root		180000.0	5.23973611401461	--
Sechium edule	Shoot	22000.0	297300.0	4.740221793665376	--
Olea europaea	Fruit	127000.0	583000.0	3.811655015559721	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Tilia sp.	Fruit	30000.0	580000.0	3.7887412568700194	--
Laurus nobilis	Fruit	200000.0	550000.0	3.5596036699730003	--
Mauritia flexuosa	Fruit	250000.0	534475.0	3.4410249687537933	J Cell Biochem VOL. 22=1995
Elaeis oleifera	Fruit	290000.0	500000.0	3.1777076918113023	--
Quercus alba	Flower		253100.0	3.080506058197824	--
Macadamia spp	Seed	714000.0	775000.0	2.6843108448809203	--
Pothomorphe sp.	Leaf	34000.0	190000.0	2.660981190090425	--
Carya illinoensis	Seed	712000.0	753000.0	2.568428975498706	--
Canarium indicum	Seed		728400.0	2.438851976098594	--
Curcuma longa	Rhizome	18000.0	153000.0	2.4259276123914604	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
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.
Cocos nucifera	Seed	58400.0	719000.0	2.3893388137261935	--
Juglans regia	Seed	400000.0	701000.0	2.294526375140746	--
Bertholletia excelsa	Seed	649190.0	700000.0	2.2892590174415544	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Terminalia bellirica</i>	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.
<i>Ricinus communis</i>	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.
<i>Syzygium aromaticum</i>	Flower	89000.0	201000.0	2.2590609005075395	--
<i>Aleurites moluccana</i>	Seed	570000.0	690000.0	2.236585440449639	--
<i>Virola surinamensis</i>	Seed	600000.0	680000.0	2.1839118634577237	--
<i>Simarouba glauca</i>	Seed	620000.0	677000.0	2.1681097903601487	--
<i>Camellia sinensis</i>	Leaf	20000.0	165000.0	2.1628114949847683	--
<i>Camellia japonica</i>	Seed	640000.0	670000.0	2.131238286465808	Wealth of India.
<i>Thevetia peruviana</i>	Seed	500000.0	670000.0	2.131238286465808	--
<i>Acrocomia totai</i>	Seed		667500.0	2.118069892217829	--
<i>Albizia lebeck</i>	Leaf	85000.0	160000.0	2.0631775559636374	Wealth of India.
<i>Glycine max</i>	Sprout Seedling	14000.0	102000.0	2.057581747608098	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Daphne mezereum</i>	Seed	60000.0	654000.0	2.0469605632787435	--
<i>Corylus avellana</i>	Seed	500000.0	650000.0	2.0258911324819775	--
<i>Carapa guianensis</i>	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.
<i>Pinus edulis</i>	Seed	609000.0	648035.0	2.015540774603066	--
<i>Xylopi aethiopia</i>	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.
<i>Ipomoea aquatica</i>	Leaf	2000.0	156000.0	1.9834704047467322	--
<i>Rosmarinus officinalis</i>	Plant	58600.0	187418.0	1.9801843153178358	USDA's Ag Handbook 8 and sequelae)
<i>Pinus cembroides</i>	Seed	605000.0	637000.0	1.9574154823924872	USDA's Ag Handbook 8 and sequelae)

Plant	Part	Low PPM	High PPM	StdDev	Reference
Hydnocarpus wightiana	Seed		632500.0	1.9337123727461254	--
Trachyspermum ammi	Fruit	218000.0	334773.0	1.9157171561368438	--
Abelmoschus manihot	Leaf	17700.0	152586.0	1.9154403511831037	--
Carthamus tinctorius	Seed	200000.0	626000.0	1.8994745477013804	--
Prunus dulcis	Seed	350000.0	621000.0	1.8731377592054226	--
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.
Juglans nigra	Seed	563000.0	612000.0	1.8257315399126988	--
Blighia sapida	Seed	12000.0	611000.0	1.8204641822135073	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Sassafras albidum	Seed	119000.0	604000.0	1.7835926783191665	--
Aleurites fordii	Seed	300000.0	600000.0	1.7625232475224002	--
Sclerocarya caffra	Seed	530000.0	600000.0	1.7625232475224002	--
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.
Santalum acuminatum	Seed		600000.0	1.7625232475224002	--
Santalum album	Seed	500000.0	600000.0	1.7625232475224002	--
Berberis vulgaris	Bark		43000.0	1.7516922412537856	--
Terminalia catappa	Seed	500000.0	596000.0	1.741453816725634	--
Juglans cinerea	Seed	564400.0	595044.0	1.736418222765207	--
Taraxacum officinale	Leaf	7000.0	143000.0	1.7244221632917907	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Spondias pinnata	Fruit	30000.0	309000.0	1.7188650552336149	--
Ailanthus altissima	Seed	555000.0	591000.0	1.7151170282296764	--
Pimpinella anisum	Fruit	176000.0	304000.0	1.680675457417445	--
Theobroma cacao	Seed	371000.0	582300.0	1.6692910162467098	--
Pachira aquatica	Seed		580000.0	1.6571760935385693	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Arctium lappa	Fruit	150000.0	300000.0	1.6501237791645091	--
Zingiber officinale	Root	5040.0	72000.0	1.6380886391848568	--
Sesamum indicum	Seed	328000.0	576321.0	1.6377974845632437	--
Brassica juncea	Leaf	12700.0	138000.0	1.6247882242706593	--
Salvia officinalis	Leaf	21666.0	138000.0	1.6247882242706593	--
Citrullus lanatus	Seed	200000.0	571000.0	1.6097698742458455	--
Pistacia vera	Seed	470370.0	567000.0	1.5887004434490792	--
Carica papaya	Leaf	8000.0	136000.0	1.584934648662207	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Piper betel	Leaf	8000.0	135000.0	1.5650078608579805	--
Theobroma bicolor	Seed	342300.0	562000.0	1.5623636549531215	--
Pinus pinea	Seed	474000.0	560500.0	1.5544626184043342	--
Papaver somniferum	Seed	400000.0	550000.0	1.4991553625628231	--
Hydnocarpus kurzii	Seed	300000.0	550000.0	1.4991553625628231	--
Balanites aegyptiacus	Seed	300000.0	550000.0	1.4991553625628231	--
Foeniculum vulgare	Fruit	120000.0	280000.0	1.4973653878998299	--
Acrocomia totai	Fruit		279400.0	1.4927826361618894	--
Sechium edule	Leaf	23200.0	131100.0	1.4872933884214983	--
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.
Juniperus communis	Seed		539000.0	1.441214427871716	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Simmondsia chinensis	Seed	456000.0	538000.0	1.4359470701725245	--
Cuminum cyminum	Fruit	134000.0	270380.0	1.423888601701519	--
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.
Arachis hypogaea	Seed	194800.0	526834.0	1.3771317541033519	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Spartium junceum	Stem		46000.0	1.3743375942150367	--
Vitellaria paradoxa	Seed		526000.0	1.372738777782226	--
Lagenaria siceraria	Seed	450000.0	525400.0	1.3695783631627112	--
Helianthus annuus	Seed	222000.0	523800.0	1.3611505908440047	--
Arecastrum romanzoffianum	Seed		522000.0	1.35166934698546	Wealth of India.
Cucurbita maxima	Leaf	17500.0	124000.0	1.3458131950114918	--
Psophocarpus tetragonolobus	Tuber	9000.0	21127.0	1.3456169931021502	--
Cucurbita pepo	Seed	300000.0	520000.0	1.3411346315870767	--
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.
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.
Citrullus colocynthis	Seed	150000.0	510000.0	1.2884610545951614	--
Digitalis purpurea	Seed		500000.0	1.235787477603246	--
Catha edulis	Seed		500000.0	1.235787477603246	--
Moringa oleifera	Seed	200000.0	500000.0	1.235787477603246	--
Croton tiglium	Seed	300000.0	500000.0	1.235787477603246	--
Arctostaphylos uva-ursi	Seed	20000.0	500000.0	1.235787477603246	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Musa x paradisiaca	Leaf		118000.0	1.2262524681861342	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
Momordica charantia	Seed	10000.0	496000.0	1.2147180468064798	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Cornus florida	Seed	24000.0	494000.0	1.2041833314080967	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
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.
Annona squamosa	Seed	140000.0	490000.0	1.1831139006113305	--
Cinnamomum aromaticum	Bark		35000.0	1.1664647650566211	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Theobroma speciosum	Fruit	92000.0	235900.0	1.160533135161212	J Cell Biochem VOL. 22=1995
Anacardium occidentale	Seed	370000.0	482000.0	1.1409750390177982	--
Perilla frutescens	Seed	13000.0	481000.0	1.1357076813186067	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Lantana camara	Seed	90000.0	480000.0	1.1304403236194152	--
Papaver bracteatum	Seed	450000.0	480000.0	1.1304403236194152	--
Jatropha curcas	Seed	300000.0	480000.0	1.1304403236194152	--
Euphorbia lathyris	Seed	400000.0	475000.0	1.1041035351234574	--
Origanum vulgare	Plant	88940.0	125000.0	1.069164232733175	USDA's Ag Handbook 8 and sequelae)
Eschscholzia californica	Seed		468000.0	1.0672320312291166	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Chelidonium majus	Seed		466000.0	1.0566973158307336	--
Theobroma angustifolium	Seed	174800.0	460200.0	1.0261466411754225	--
Colocasia esculenta	Leaf	6000.0	107000.0	1.0070578023396453	--
Prunus persica	Seed	399000.0	456000.0	1.004023738838818	--
Rheum rhabarbarum	Pt	1000.0	32000.0	1.0	--
Crocus sativus	Silk Stigma Style	56300.0	134000.0	1.0	--
Opuntia ficus-indica	Bud		24800.0	1.0	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
Allium cepa	Bulb	1000.0	36079.0	1.0	--
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.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Linum usitatissimum</i>	Hay	33000.0	61000.0	1.0	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Tetrapanax papyrifera</i>	Pith		11000.0	1.0	--
<i>Portulaca oleracea</i>	Herb	1900.0	63000.0	1.0	--
<i>Vanilla planifolia</i>	Fruit	47000.0	212000.0	0.9779868575999203	--
<i>Cimicifuga racemosa</i>	Seed	326000.0	451000.0	0.9776869503428604	--
<i>Actaea racemosa</i>	Seed	326000.0	451000.0	0.9776869503428604	--
<i>Luffa aegyptiaca</i>	Seed	200000.0	450000.0	0.9724195926436688	--
<i>Silybum marianum</i>	Seed	160000.0	450000.0	0.9724195926436688	--
<i>Azadirachta indica</i>	Seed		450000.0	0.9724195926436688	--
<i>Prunus laurocerasus</i>	Seed	250000.0	450000.0	0.9724195926436688	--
<i>Linum usitatissimum</i>	Seed	40000.0	450000.0	0.9724195926436688	--
<i>Calendula officinalis</i>	Seed	260000.0	450000.0	0.9724195926436688	--
<i>Eriobotrya japonica</i>	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.
<i>Elaeis oleifera</i>	Seed	290000.0	450000.0	0.9724195926436688	--
<i>Citrus aurantium</i>	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.
<i>Coriandrum sativum</i>	Fruit	110000.0	210000.0	0.9627110184734524	--
<i>Cedrus deodora</i>	Seed		447000.0	0.9566175195460942	--
<i>Phyllanthus acidus</i>	Fruit	4000.0	209000.0	0.9550730989102184	--
<i>Cucumis melo</i>	Seed	300000.0	446000.0	0.9513501618469027	--
<i>Frangula purshiana</i>	Bark	8864.0	32000.0	0.9470044614826844	--
<i>Buxus sempervirens</i>	Seed	416000.0	443000.0	0.935548088749328	--
<i>Xanthosoma sagittifolium</i>	Leaf	16600.0	103100.0	0.9293433299031628	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Syzygium aromaticum</i>	Fruit	89000.0	201000.0	0.8939697424043467	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Oenanthe aquatica</i>	Fruit		200000.0	0.8863318228411128	--
<i>Aleurites fordii</i>	Fruit	140000.0	200000.0	0.8863318228411128	--
<i>Borago officinalis</i>	Leaf	7000.0	100000.0	0.8675702877100614	--
<i>Cucurbita foetidissima</i>	Seed	243000.0	428000.0	0.8565377232614549	--
<i>Pachyrhizus erosus</i>	Tuber	2000.0	18435.0	0.8561033518276923	--
<i>Hippophae rhamnoides</i>	Bark		30600.0	0.8445896531481806	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Cucumis sativus</i>	Seed	300000.0	425000.0	0.8407356501638803	--
<i>Maclura pomifera</i>	Seed		420000.0	0.8143988616679225	Smith, J. L. and Perino, J. V. 1981. Osage Orange (<i>Maclura pomifera</i>): History and Economic Uses. Economic Botany 35(1): 24-41
<i>Cinnamomum camphora</i>	Seed		420000.0	0.8143988616679225	--
<i>Satureja hortensis</i>	Seed		420000.0	0.8143988616679225	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Prunus domestica</i>	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.
<i>Nigella sativa</i>	Seed	354900.0	416000.0	0.7933294308711564	--
<i>Pachira macrocarpa</i>	Seed	392000.0	414000.0	0.7827947154727734	--
<i>Tropaeolum majus</i>	Shoot	12000.0	87600.0	0.776319886526743	--
<i>Kalmia latifolia</i>	Leaf		95000.0	0.76793634868893	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Crescentia alata</i>	Seed	397000.0	411000.0	0.7669926423751987	--
<i>Raphanus sativus</i>	Seed	298000.0	410000.0	0.7617252846760071	--
<i>Maclura pomifera</i>	Fruit	51600.0	183400.0	0.7595423580914289	Smith, J. L. and Perino, J. V. 1981. Osage Orange (<i>Maclura pomifera</i>): History and Economic Uses. Economic Botany 35(1): 24-41
<i>Anethum graveolens</i>	Fruit	68000.0	180200.0	0.7351010154890802	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Anamirta cocculus	Fruit	110000.0	180000.0	0.7335734315764334	--
Zingiber officinale	Rhizome	7000.0	77000.0	0.7203322628500908	--
Lupinus mutabilis	Fruit	51000.0	178000.0	0.7182975924499655	--
Gliricidia sepium	Flower	2000.0	103000.0	0.7139241355622827	--
Carum carvi	Fruit	127000.0	176826.0	0.7093306748827288	--
Melia azedarach	Seed	40000.0	400000.0	0.7090517076840918	--
Annona reticulata	Seed		400000.0	0.7090517076840918	--
Citrus limon	Seed	300000.0	400000.0	0.7090517076840918	--
Ceiba pentandra	Seed	200000.0	400000.0	0.7090517076840918	--
Myristica fragrans	Seed	250000.0	400000.0	0.7090517076840918	--
Argemone mexicana	Seed	200000.0	393000.0	0.672180203789751	--
Berberis vulgaris	Root		43000.0	0.6709795950176085	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Tropaeolum tuberosum	Root	2000.0	42850.0	0.6659773068581227	--
Allium schoenoprasum	Leaf	3000.0	89518.0	0.6586976979461616	--
Consolida ajacis	Seed		390000.0	0.6563781306921763	--
Hyoscyamus niger	Seed	250000.0	389000.0	0.6511107729929847	--
Thymus vulgaris	Seed	370000.0	389000.0	0.6511107729929847	--
Ocimum basilicum	Leaf	12000.0	89000.0	0.6483756218635724	--
Mimulus glabratus	Shoot	8000.0	80000.0	0.6326591593247706	--
Arachis hypogaea	Plant	22000.0	95000.0	0.6313001153705581	--
Isatis tinctoria	Seed	126000.0	384000.0	0.624773984497027	--
Borago officinalis	Seed	130000.0	383000.0	0.6195066267978355	--
Akebia quinata	Seed	180000.0	383000.0	0.6195066267978355	--
Sanguisorba minor	Plant		94000.0	0.6167046447918041	--
Urtica dioica	Seed	231000.0	382000.0	0.6142392690986439	--
Artemisia dracunculus	Seed		381000.0	0.6089719113994524	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Plant	Part	Low PPM	High PPM	StdDev	Reference
Bactris gasipaes	Fruit	28000.0	163400.0	0.6067839668267496	--
Rumex crispus	Root	10537.0	41000.0	0.6042824195577983	--
Leonotis nepetaefolia	Seed	280000.0	380000.0	0.6037045537002609	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
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.
Morus alba	Seed	330000.0	380000.0	0.6037045537002609	--
Vernonia cinerea	Seed	38000.0	380000.0	0.6037045537002609	--
Curcuma longa	Plant	28830.0	93000.0	0.6021091742130502	--
Artemisia dracunculus	Shoot	72000.0	78000.0	0.5948537047979354	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Tribulus terrestris	Seed	292000.0	378000.0	0.5931698383018777	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Betula lenta	Leaf		86000.0	0.5885952584508937	Jim Duke's personal files.*
Glycine max	Fruit	51000.0	160000.0	0.5808150403117541	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Marrubium vulgare	Seed	264000.0	372000.0	0.5615656921067286	--
Ruta graveolens	Seed		370000.0	0.5510309767083454	--
Tragopogon porrifolius	Root	2000.0	39150.0	0.5425875322574738	--
Arbutus unedo	Seed	34000.0	368000.0	0.5404962613099623	--
Cucurbita maxima	Seed		366000.0	0.5299615459115793	--
Calotropis sp.	Seed	268000.0	366000.0	0.5299615459115793	--
Terminalia chebula	Seed	343000.0	364000.0	0.5194268305131962	--
Tamarindus indica	Flower		90000.0	0.5089570136817895	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Eriodictyon californicum	Leaf	18040.0	82000.0	0.5088881072339886	--
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.
Capparis spinosa	Seed	316000.0	360000.0	0.49835739971643	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Salvia sp.	Seed	228000.0	360000.0	0.49835739971643	--
Capsella bursa-pastoris	Seed	170000.0	360000.0	0.49835739971643	--
Castanea sativa	Leaf		81000.0	0.48896131942976234	--
Cannabis sativa	Seed	296000.0	358000.0	0.48782268431804693	--
Levisticum officinale	Fruit		147000.0	0.48152208598971263	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Oxalis tuberosa	Root	6000.0	37000.0	0.4708880686381778	--
Thymus vulgaris	Leaf	13440.0	80000.0	0.4690345316255361	--
Cnidioscolus chayamansa	Leaf	16000.0	80000.0	0.4690345316255361	--
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.
Capsicum annuum	Fruit	2000.0	144000.0	0.4586083273000108	--
Lactuca scariola	Seed		352000.0	0.4562185381228977	--
Helleborus niger	Seed		352000.0	0.4562185381228977	--
Hedera helix	Seed		351000.0	0.45095118042370613	--
Eruca sativa	Seed	225000.0	351000.0	0.45095118042370613	--
Piper auritum	Leaf	14000.0	79000.0	0.4491077438213098	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
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.
Brassica oleracea var. capitata l.	Seed		350000.0	0.44568382272451457	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.
Glaucium flavum	Seed	300000.0	350000.0	0.44568382272451457	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Cinnamomum verum	Seed	300000.0	350000.0	0.44568382272451457	Wealth of India.
Phaseolus vulgaris	Sprout Seedling	5000.0	53763.0	0.44056677095674335	USDA's Ag Handbook 8 and sequelae)
Neurolaena lobata	Seed		348000.0	0.4351491073261315	--
Guarea rusbyi	Bark		25000.0	0.4349304198101654	--
Eleocharis dulcis	Tuber	2000.0	16000.0	0.41332262504340367	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Thymus vulgaris	Plant	69480.0	80000.0	0.4123680566892496	--
Allium cepa	Leaf	6000.0	77000.0	0.4092541682128573	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Passiflora incarnata	Flower	9130.0	83000.0	0.3985901018999854	--
Origanum majorana	Plant	8000.0	77950.0	0.3824473420028041	USDA's Ag Handbook 8 and sequelae)
Zizyphus jujuba	Seed	4000.0	335000.0	0.36667345723664146	--
Achillea millefolium	Seed	223000.0	334000.0	0.3614060995374496	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Moringa oleifera	Shoot	14000.0	65600.0	0.36045988673155943	USDA's Ag Handbook 8 and sequelae)
Morus alba	Leaf	68000.0	74000.0	0.3494738048001785	--
Petroselinum crispum	Seed	130000.0	330000.0	0.3403366687406834	--
Catalpa bignonioides	Seed	44000.0	330000.0	0.3403366687406834	--
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.
Polymnia edulis	Root	3000.0	33000.0	0.3374937177185573	--
Hypericum perforatum	Seed		328000.0	0.32980195334230034	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Olea europaea	Leaf		73000.0	0.32954701699595224	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Schinus molle	Fruit	77000.0	124000.0	0.3058499360353315	--
Acalypha indica	Leaf	14000.0	71800.0	0.3056348716308807	Wealth of India.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Plectranthus amboinicus</i>	Leaf	4000.0	71430.0	0.298261960143317	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Schinus terebinthifolius</i>	Seed	80000.0	322000.0	0.2981978071471511	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Trichosanthes anguina</i>	Seed		321000.0	0.29293044944795954	--
<i>Sida rhombifolia</i>	Leaf	14000.0	71000.0	0.2896934413874997	--
<i>Strophanthus hispidus</i>	Seed		320000.0	0.28766309174876803	--
<i>Oenothera biennis</i>	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.
<i>Sambucus canadensis</i>	Seed	201000.0	320000.0	0.28766309174876803	--
<i>Annona glabra</i>	Fruit	16000.0	121000.0	0.2829361773456296	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Spondias mombin</i>	Fruit	2000.0	121000.0	0.2829361773456296	--
<i>Cymbopogon citratus</i>	Plant		71000.0	0.2810088214804645	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Salvia sclarea</i>	Seed		318000.0	0.27712837635038495	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Asclepias syriaca</i>	Seed	91000.0	318000.0	0.27712837635038495	--
<i>Passiflora incarnata</i>	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.
<i>Passiflora ligularis</i>	Fruit	1000.0	118145.0	0.26112991699259663	--
<i>Monarda punctata</i>	Seed		313000.0	0.25079158785442723	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Hydrangea paniculata</i>	Seed		313000.0	0.25079158785442723	--
<i>Bactris gasipaes</i>	Seed		313000.0	0.25079158785442723	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
<i>Chamissoa altissima</i>	Leaf	6900.0	69000.0	0.24983986577904718	Tramil
<i>Cajanus cajan</i>	Leaf		69000.0	0.24983986577904718	--
<i>Sinapis alba</i>	Seed	283271.0	312364.0	0.2474415483577414	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Pistacia lentiscus</i>	Seed	130000.0	312000.0	0.24552423015523567	--
<i>Chrysanthemum parthenium</i>	Seed		312000.0	0.24552423015523567	--
<i>Tanacetum parthenium</i>	Seed		312000.0	0.24552423015523567	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Vaccinium myrtillus</i>	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.
<i>Moringa oleifera</i>	Leaf	17000.0	68000.0	0.2299130779748209	USDA's Ag Handbook 8 and sequelae)
<i>Schisandra chinensis</i>	Fruit	17100.0	114000.0	0.22947074040299184	--
<i>Acacia senegal</i>	Leaf		67000.0	0.20998629017059464	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Brassica nigra</i>	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.
<i>Ribes nigrum</i>	Seed	250000.0	305000.0	0.20865272626089487	--
<i>Daucus carota</i>	Root	1700.0	29000.0	0.2040993667989368	--
<i>Pimpinella anisum</i>	Seed	80000.0	304000.0	0.20338536856170333	--
<i>Satureja hortensis</i>	Plant	16500.0	65000.0	0.19343599800794112	--
<i>Daucus carota</i>	Seed	87000.0	302000.0	0.19285065316332026	--
<i>Leonurus cardiaca</i>	Seed		302000.0	0.19285065316332026	--
<i>Myrciaria cauliflora</i>	Fruit	0.0	109000.0	0.19128114258682202	--
<i>Lepidium sativum</i>	Leaf	7000.0	66040.0	0.19085657387853744	--
<i>Datura stramonium</i>	Seed	150000.0	300000.0	0.18231593776493718	--
<i>Solanum nigrum</i>	Seed	215000.0	300000.0	0.18231593776493718	--
<i>Holarrhena pubescens</i>	Seed	190000.0	300000.0	0.18231593776493718	--
<i>Ficus carica</i>	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.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Olea europaea</i>	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.
<i>Hordeum vulgare</i>	Plant	19000.0	64000.0	0.17884052742918724	Jim Duke's personal files.*
<i>Armoracia rusticana</i>	Root	5040.0	28000.0	0.1707507790690317	--
<i>Rheum rhabarbarum</i>	Leaf	1000.0	65000.0	0.17013271456214213	--
<i>Phytelephas aequatorialis</i>	Flower	20000.0	68495.0	0.16989409398640426	KOZIOL & PEDERSEN. 1993. PHYTELEPHAS AEQUATORIALIS(ARECACEAE) IN HUMAN AND ANIMAL NUTRITION. ECON. BOT. 47:401-307.
<i>Liquidambar styraciflua</i>	Seed		297000.0	0.16651386466736254	--
<i>Theobroma cacao</i>	Fruit	44000.0	104760.0	0.15889636363871001	J Cell Biochem VOL. 22=1995
<i>Nerium oleander</i>	Seed	170000.0	294000.0	0.15071179156978792	--
<i>Glycine max</i>	Plant	25000.0	62000.0	0.1496495862716792	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Mirabilis expansa</i>	Root	2500.0	27000.0	0.1374021913391266	--
<i>Murraya koenigii</i>	Leaf	10000.0	63000.0	0.1302791389536896	--
<i>Artemisia vulgaris</i>	Leaf	8000.0	63000.0	0.1302791389536896	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Alocasia macrorrhiza</i>	Leaf	1000.0	63000.0	0.1302791389536896	--
<i>Elettaria cardamomum</i>	Fruit	10000.0	100000.0	0.12253986651771635	--
<i>Piper nigrum</i>	Fruit	30940.0	100000.0	0.12253986651771635	--
<i>Cajanus cajan</i>	Plant		60000.0	0.12045864511417143	--
<i>Pastinaca sativa</i>	Seed	173000.0	288000.0	0.11910764537463867	--
<i>Heimia salicifolia</i>	Seed		287000.0	0.11384028767544711	--
<i>Muntingia calabura</i>	Fruit	4000.0	97000.0	0.09962610782801447	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Dipsacus fullonum</i>	Seed	210000.0	283000.0	0.09277085687868095	--
<i>Silybum marianum</i>	Plant		58000.0	0.09126770395666363	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Acacia tortilis	Leaf		61000.0	0.09042556334523708	--
Mentha x rotundifolia	Seed		282000.0	0.08750349917948941	--
Passiflora quadrangularis	Fruit	2000.0	95000.0	0.08435026870154654	--
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.
Carthamus tinctorius	Flower	8820.0	63000.0	0.08325606823768805	--
Arundo donax	Stem		30000.0	0.07874758051990709	--
Apium graveolens	Seed	13860.0	279483.0	0.0742455598506243	--
Harpagophytum procumbens	Root	4750.0	25000.0	0.07070501587931635	--
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.
Chrysophyllum cainito	Fruit	7000.0	93000.0	0.0690744295750786	--
Valerianella locusta	Plant	4000.0	55555.0	0.055581778391610354	--
Eupatorium odoratum	Seed	157000.0	275000.0	0.050631995285148605	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Coffea arabica	Leaf	55000.0	59000.0	0.05057198773678454	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Ficus carica	Leaf	17000.0	59000.0	0.05057198773678454	--
Eryngium floridanum	Shoot		49000.0	0.046674614158830244	--
Citrullus lanatus	Fruit	200.0	89000.0	0.03852275132214275	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Pastinaca sativa	Root	3000.0	24000.0	0.03735642814941123	--
Asparagus officinalis	Root	2400.0	24000.0	0.03735642814941123	--
Yucca baccata	Seed		272000.0	0.03482992218757398	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Pisum sativum	Plant	15000.0	54000.0	0.03288582164164804	--
Lycium chinense	Leaf	6000.0	58000.0	0.03064519993255828	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Ipomoea batatas</i>	Leaf	2000.0	58000.0	0.03064519993255828	--
<i>Beta vulgaris</i>	Leaf	2000.0	58000.0	0.03064519993255828	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Silybum marianum</i>	Leaf	12760.0	58000.0	0.03064519993255828	--
<i>Cnicus benedictus</i>	Seed	258000.0	271000.0	0.029562564488382438	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Verbascum thapsus</i>	Seed	35000.0	271000.0	0.029562564488382438	--
<i>Phytolacca americana</i>	Shoot	4000.0	48000.0	0.02777188689541282	--
<i>Cuminum cyminum</i>	Seed	134000.0	270380.0	0.02629680271488368	--
<i>Quisqualis indica</i>	Seed	230000.0	270000.0	0.024295206789190896	--
<i>Physalis ixocarpa</i>	Fruit	6000.0	87000.0	0.023246912195674825	--
<i>Aquilegia vulgaris</i>	Seed		269000.0	0.019027849089999355	--
<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>Yucca baccata</i>	Root	4784.0	23000.0	0.004007840419506115	--
<i>Eleutherococcus senticosus</i>	Root	4830.0	23000.0	0.004007840419506115	--
<i>Valeriana officinalis</i>	Root	2714.0	23000.0	0.004007840419506115	--
<i>Hydrastis canadensis</i>	Root	6371.0	23000.0	0.004007840419506115	--
<i>Mentha pulegium</i>	Seed		266000.0	0.0032257759924247268	--
<i>Anemone coronaria</i>	Seed	207000.0	266000.0	0.0032257759924247268	--
<i>Myristica fragrans</i>	Aril	244000.0	324000.0	-0.0012580836022265188	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Hordeum vulgare</i>	Stem		29000.0	-0.002226795336038504	--
<i>Phoradendron serotinum</i>	Leaf		56000.0	-0.00920837567589425	--
<i>Centella asiatica</i>	Leaf	5992.0	56000.0	-0.00920837567589425	--
<i>Carthamus tinctorius</i>	Plant	16000.0	51000.0	-0.010900590094613647	--
<i>Elaeagnus angustifolia</i>	Seed	18000.0	263000.0	-0.012576297105149901	--
<i>Mentha spicata</i>	Plant	6000.0	50519.0	-0.01792101144299427	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Pereskia aculeata	Fruit	1000.0	81400.0	-0.01952543735843537	--
Gentiana lutea	Seed		260000.0	-0.028378370202724528	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Sterculia urens	Seed	200000.0	260000.0	-0.028378370202724528	--
Colubrina texensis	Shoot		45000.0	-0.028936294894839443	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Lepidium meyenii	Root	16000.0	22000.0	-0.029340747310399002	--
Allium ampeloprasum	Root	3000.0	22000.0	-0.029340747310399002	--
Cyrtosperma chamissonis	Leaf	6000.0	54545.0	-0.038201851931043466	--
Justicia adhatoda	Seed		258000.0	-0.038913085601107615	--
Annona cherimola	Seed	200000.0	258000.0	-0.038913085601107615	--
Boehmeria nivea	Shoot	32000.0	44000.0	-0.04783902215825686	--
Mentha x piperita	Leaf	8046.0	54000.0	-0.049061951284346775	--
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.
Phaseolus vulgaris	Leaf	4000.0	54000.0	-0.049061951284346775	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Ageratum conyzoides	Seed		256000.0	-0.0494478009994907	Wealth of India.
Petroselinum crispum	Plant	3792.0	48000.0	-0.05468700183087534	--
Chrysanthemum parthenium	Plant		48000.0	-0.05468700183087534	--
Stellaria media	Plant	3984.0	48000.0	-0.05468700183087534	--
Tanacetum parthenium	Plant		48000.0	-0.05468700183087534	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Lepidium sativum	Seed	150000.0	255000.0	-0.05471515869868224	--
Erythroxylum coca	Leaf	16000.0	53475.0	-0.05952351488156556	--
Smilax spp	Root	4410.0	21000.0	-0.06268933504030412	--
Smilax officinalis	Root	4410.0	21000.0	-0.06268933504030412	--

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.
Quercus alba	Seed	78000.0	253100.0	-0.06472313832714617	--
Alisma plantago-aquatica	Rhizome		42000.0	-0.06513927970185569	--
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.
Solanum nigrum	Leaf	4000.0	53000.0	-0.06898873908857305	--
Amaranthus sp.	Leaf	2410.0	53000.0	-0.06898873908857305	--
Anethum graveolens	Plant	43000.0	47000.0	-0.06928247240962923	--
Sophora secundiflora	Seed	134000.0	252000.0	-0.07051723179625687	--
Spinacia oleracea	Plant	3070.0	46672.0	-0.07406978675946051	USDA's Ag Handbook 8 and sequelae)
Peganum harmala	Plant	15000.0	46450.0	-0.07730998122794387	--
Durio zibethinus	Fruit	8000.0	73800.0	-0.0775736260390135	--
Schoenocaulon officinale	Seed	90000.0	250000.0	-0.08105194719463996	--
Dipteryx odorata	Seed		250000.0	-0.08105194719463996	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Ribes rubrum	Seed	160000.0	250000.0	-0.08105194719463996	--
Lycopersicon esculentum	Seed	150000.0	250000.0	-0.08105194719463996	--
Salvia officinalis	Seed		250000.0	-0.08105194719463996	--
Larrea tridentata	Plant	15134.0	46000.0	-0.08387794298838314	--
Foeniculum vulgare	Plant	4000.0	46000.0	-0.08387794298838314	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Rhynchosia minima	Shoot		42000.0	-0.0856444766850917	--
Raphanus sativus	Leaf	6000.0	52000.0	-0.0889155268927993	--
Platonia insignis	Fruit	20000.0	72200.0	-0.08979429734018785	--
Passiflora foetida	Seed		248000.0	-0.09158666259302303	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Astragalus membranaceus	Root	3200.0	20000.0	-0.09603792277020924	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Bupleurum chinense	Root	2200.0	20000.0	-0.09603792277020924	--
Parthenium integrifolium	Root	3200.0	20000.0	-0.09603792277020924	--
Ruscus aculeatus	Root	6040.0	20000.0	-0.09603792277020924	--
Hydrangea arborescens	Root	7000.0	20000.0	-0.09603792277020924	--
Mentha pulegium	Plant		45000.0	-0.09847341356713703	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Centaurea calcitrapa	Seed	154000.0	246000.0	-0.10212137799140612	--
Asparagus officinalis	Shoot	2000.0	41000.0	-0.10454720394850912	--
Chenopodium album	Leaf	8000.0	50960.0	-0.10963938620919463	--
Hyptis suaveolens	Seed	143000.0	244000.0	-0.1126560933897892	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Cassia tora	Plant		44000.0	-0.11306888414589093	--
Brassica napus var. napobrassica	Root	2000.0	19340.0	-0.11804799067194661	USDA's Ag Handbook 8 and sequelae)
Mammea americana	Fruit	1000.0	68275.0	-0.11977313162588114	--
Ocimum basilicum	Seed		242000.0	-0.12319080878817229	--
Bromelia pinguin	Shoot	1700.0	40000.0	-0.12344993121192654	--
Medicago sativa	Plant	8084.0	43000.0	-0.12766435472464482	--
Oenothera biennis	Plant	23000.0	43000.0	-0.12766435472464482	--
Rumex acetosa	Leaf	3000.0	50000.0	-0.12876910250125184	--
Lactuca sativa	Leaf	3000.0	50000.0	-0.12876910250125184	--
Coriandrum sativum	Leaf	6000.0	50000.0	-0.12876910250125184	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Alocasia macrorrhiza	Root	1000.0	19000.0	-0.12938651050011435	--
Inula helenium	Root	4180.0	19000.0	-0.12938651050011435	--
Rubus idaeus	Seed	145000.0	240000.0	-0.13372552418655537	--
Lupinus mutabilis	Seed	140000.0	240000.0	-0.13372552418655537	--
Apium graveolens	Fruit	13860.0	66000.0	-0.1371493986322384	--
Capsella bursa-pastoris	Plant	3200.0	42000.0	-0.14225982530339873	--

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.
Heliotropium europaeum	Seed		238000.0	-0.14426023958493847	--
Apocynum cannabinum	Seed	226000.0	238000.0	-0.14426023958493847	--
Elaeagnus commutata	Fruit	9000.0	65000.0	-0.1447873181954724	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Cyphomandra betacea	Fruit	600.0	64000.0	-0.15242523775870634	--
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.
Angelica sinensis	Root	3960.0	18000.0	-0.16273509823001947	--
Sambucus nigra	Leaf		48200.0	-0.1646373205488591	--
Syzygium malaccense	Fruit	1000.0	62000.0	-0.16770107688517427	--
Dioscorea bulbifera	Tuber	1000.0	12800.0	-0.16856580440617475	--
Sesamum indicum	Leaf		48000.0	-0.16862267810970435	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
Chenopodium ambrosioides	Leaf	7000.0	48000.0	-0.16862267810970435	--
Chrysanthemum parthenium	Leaf	8640.0	48000.0	-0.16862267810970435	--
Achillea millefolium	Plant	7080.0	40000.0	-0.1714507664609065	--
Panax ginseng	Root	3752.0	17700.0	-0.172739674548991	--
Psophocarpus tetragonolobus	Leaf	11000.0	47520.0	-0.17818753625573297	--
Eugenia uniflora	Fruit	1000.0	60275.0	-0.18087648813175286	--
Fragaria spp	Fruit	2350.0	59893.0	-0.18379417340490822	USDA's Ag Handbook 8 and sequelae)
Malus domestica	Seed	180000.0	230000.0	-0.1863991011784708	--
Tecoma stans	Seed	200000.0	230000.0	-0.1863991011784708	--
Allium ampeloprasum	Leaf	3000.0	47000.0	-0.18854946591393063	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Terminalia bellirica</i>	Leaf		47000.0	-0.18854946591393063	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Asimina triloba</i>	Fruit	6000.0	59000.0	-0.19061483557487616	--
<i>Brassica nigra</i>	Leaf	2220.0	46841.0	-0.1917178251748026	USDA's Ag Handbook 8 and sequelae)
<i>Symphytum officinale</i>	Root		17000.0	-0.1960836859599246	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
<i>Trifolium pratense</i>	Shoot	11000.0	36000.0	-0.19906084026559623	--
<i>Elytrigia repens</i>	Plant	15000.0	38000.0	-0.20064170761841432	--
<i>Chrysanthemum coronarium</i>	Leaf	3000.0	46155.0	-0.2053876016085018	--
<i>Mandragora officinarum</i>	Seed		226000.0	-0.20746853197523696	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Coriaria thymifolia</i>	Seed		226000.0	-0.20746853197523696	--
<i>Acacia catechu</i>	Leaf		46000.0	-0.2084762537181569	--
<i>Juniperus communis</i>	Fruit	17360.0	56000.0	-0.21352859426457804	--
<i>Limonia acidissima</i>	Fruit	6000.0	55770.0	-0.21528531576412185	--
<i>Trichosanthes anguina</i>	Fruit	3000.0	55555.0	-0.21692746847021716	--
<i>Pueraria montana</i>	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.
<i>Vigna subterranea</i>	Fruit		55000.0	-0.22116651382781202	--
<i>Hibiscus sabdariffa</i>	Seed	168000.0	223000.0	-0.2232706050728116	--
<i>Perideridia gairdneri</i>	Root		16100.0	-0.22609741491683918	Izidoost, M. & Robinson, T., Synergism & antagonism in the pharmacology of alkaloidal plants, pp 137-58 in Craker, L. & Simon, J., eds., Herbs, Spices & Medicinal Plants: Recent Advances in Botany, Horticulture & Pharmacology, v. 2, 1987, 255pp.
<i>Brassica oleracea</i> var. <i>sabellica</i> l.	Leaf	7000.0	45050.0	-0.22740670213217185	--
<i>Turnera diffusa</i>	Leaf	9450.0	45000.0	-0.22840304152238317	--
<i>Amaranthus spinosus</i>	Leaf	3000.0	45000.0	-0.22840304152238317	--
<i>Cichorium intybus</i>	Root	2000.0	16000.0	-0.2294322736898297	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Taraxacum officinale	Root	2288.0	16000.0	-0.2294322736898297	--
Colocasia esculenta	Root	1000.0	16000.0	-0.2294322736898297	--
Amorphophallus campanulatus	Root	600.0	16000.0	-0.2294322736898297	--
Beta vulgaris	Root	1000.0	16000.0	-0.2294322736898297	--
Annona muricata	Seed		221000.0	-0.23380532047119468	--
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.
Artemisia maritima	Seed		220000.0	-0.23907267817038622	--
Alliaria petiolata	Seed		220000.0	-0.23907267817038622	--
Datura innoxia	Seed	120000.0	220000.0	-0.23907267817038622	--
Averrhoa carambola	Fruit	800.0	52000.0	-0.2440802725175139	--
Juglans nigra	Fruit		52000.0	-0.2440802725175139	--
Sonchus oleraceus	Leaf	3000.0	44000.0	-0.2483298293266094	--
Tamarindus indica	Leaf	36000.0	44000.0	-0.2483298293266094	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Elaeagnus umbellatus	Fruit	9500.0	51435.0	-0.2483956970707411	--
Benincasa hispida	Fruit	1000.0	51280.0	-0.24957957460304236	--
Glycine max	Seed	45000.0	218000.0	-0.24960739356876932	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Amorphophallus campanulatus	Shoot		33000.0	-0.2557690220558485	--
Basella alba	Leaf	3000.0	43475.0	-0.2587913929238282	--
Raphanus sativus	Fruit	3000.0	50000.0	-0.2593561116439818	--
Hippophae rhamnoides	Fruit	20000.0	50000.0	-0.2593561116439818	--
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.
Eriobotrya japonica	Fruit	2000.0	50000.0	-0.2593561116439818	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Plant	Part	Low PPM	High PPM	StdDev	Reference
Polygonum multiflorum	Root		15000.0	-0.26278086141973483	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Cimicifuga racemosa	Root	3150.0	15000.0	-0.26278086141973483	--
Actaea racemosa	Root		15000.0	-0.26278086141973483	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Anacardium occidentale	Fruit	1000.0	49000.0	-0.2669940312072158	--
Erythrina fusca	Leaf	8000.0	43000.0	-0.2682566171308357	--
Zizyphus jujuba	Leaf		43000.0	-0.2682566171308357	--
Cedrela odorata	Seed		214000.0	-0.2706768243655355	--
Brassica chinensis	Leaf	2000.0	42740.0	-0.2734375819599345	--
Brassica rapa	Leaf	2000.0	42740.0	-0.2734375819599345	USDA's Ag Handbook 8 and sequelae)
Prunus cerasus	Fruit	3000.0	48000.0	-0.2746319507704498	--
Ribes uva-crispa	Fruit	5800.0	47815.0	-0.27604496588964805	--
Ullucus tuberosus	Root	2000.0	14600.0	-0.2761202965116969	--
Aralia cordata	Leaf	2000.0	42550.0	-0.2772236716427375	--
Lycopersicon esculentum	Fruit	1330.0	47441.0	-0.27890154780629756	--
Nepeta cataria	Seed		212000.0	-0.28121153976391855	--
Solanum melongena	Seed	198300.0	212000.0	-0.28121153976391855	--
Rumex acetosa	Fruit		47000.0	-0.2822698703336837	--
Phaseolus vulgaris	Fruit	2000.0	47000.0	-0.2822698703336837	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Anthriscus cerefolium	Leaf	39000.0	42040.0	-0.2873863334228929	--
Apium graveolens	Leaf	1300.0	42000.0	-0.28818340493506195	--
Balanites aegyptiacus	Leaf		42000.0	-0.28818340493506195	--
Gleditsia triacanthos	Fruit		46000.0	-0.2899077898969177	--
Sorbus aucubaria	Seed		210000.0	-0.2917462551623016	--
Chamaemelum nobile	Flower		39000.0	-0.29514477215706875	--
Ipomoea batatas	Root	1400.0	14000.0	-0.29612944914963996	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Brassica oleracea var. botrytis l.	Leaf	3160.0	41242.0	-0.30328791009066547	--
Brassica oleracea var. italica	Leaf	3160.0	41242.0	-0.30328791009066547	USDA's Ag Handbook 8 and sequelae)
Rubus idaeus	Fruit	5100.0	44130.0	-0.3041906994801652	Revised USDA data received 1993.
Manilkara zapota	Fruit	7000.0	44000.0	-0.30518362902338564	--
Mimosa hostilis	Plant		30800.0	-0.3057290957854424	--
Gossypium sp	Seed	160000.0	207000.0	-0.30754832825987627	--
Pimenta dioica	Leaf	36000.0	41000.0	-0.3081101927392882	--
Prunus domestica	Fruit	6000.0	43243.0	-0.31096553413275374	USDA's Ag Handbook 8 and sequelae)
Psidium guajava	Fruit	1000.0	43200.0	-0.3112939646739728	--
Cucumis sativus	Fruit	900.0	43037.0	-0.31253894556277995	--
Sechium edule	Fruit	1000.0	42860.0	-0.31389085732547234	--
Ananas comosus	Fruit	1000.0	42772.0	-0.31456299424703693	--
Pouteria caimito	Fruit	4000.0	42470.0	-0.31686964595513356	--
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.
Fucus vesiculosus	Plant	3540.0	30000.0	-0.3174054722484455	--
Triticum aestivum	Plant	10000.0	30000.0	-0.3174054722484455	--
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.
Azadirachta indica	Fruit		42000.0	-0.32045946814985354	--
Gliricidia sepium	Seed	161000.0	204000.0	-0.3233504013574509	--
Cucurbita foetidissima	Leaf		40000.0	-0.3280369805435145	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Justicia pectoralis	Leaf	6000.0	40000.0	-0.3280369805435145	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Prunus armeniaca	Fruit	2200.0	41000.0	-0.3280973877130875	USDA's Ag Handbook 8 and sequelae)
Sanguisorba minor	Seed	16000.0	203000.0	-0.3286177590566424	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Angelica archangelica	Seed	189000.0	203000.0	-0.3286177590566424	--
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.
Gentiana lutea	Root	2860.0	13000.0	-0.3294780368795451	--
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.
Luffa aegyptiaca	Fruit	2000.0	40000.0	-0.33573530727632145	--
Physalis angulata	Fruit	4000.0	40000.0	-0.33573530727632145	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Averrhoa bilimbi	Fruit	1000.0	40000.0	-0.33573530727632145	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Trifolium pratense	Flower	6480.0	36000.0	-0.34244487720641337	--
Cycas revoluta	Fruit		39000.0	-0.34337322683955546	--
Crataegus laevigata	Fruit	10881.0	39000.0	-0.34337322683955546	--
Crataegus rhipidophylla	Fruit		39000.0	-0.34337322683955546	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Thespesia populnea	Seed	190000.0	200000.0	-0.34441983215421706	--
Ribes uva-crispa	Seed	183000.0	200000.0	-0.34441983215421706	--
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.
Gardenia jasminoides	Seed	140000.0	200000.0	-0.34441983215421706	--
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.
Pachyrhizus erosus	Seed		200000.0	-0.34441983215421706	--
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.
Vigna mungo	Plant		28000.0	-0.34659641340595326	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Actinidia chinensis	Fruit	700.0	38400.0	-0.34795597857749583	--
Momordica charantia	Leaf	4000.0	39000.0	-0.34796376834774073	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Cenchrus biflorus	Shoot	10000.0	28000.0	-0.3502826583729356	--
Punica granatum	Fruit	1000.0	38000.0	-0.3510111464027894	--
Solanum melongena	Fruit	1000.0	38000.0	-0.3510111464027894	--
Brassica rapa	Root	1000.0	12300.0	-0.35282204829047864	--
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.
Capparis spinosa	Fruit		37500.0	-0.35483010618440636	--
Boehmeria nivea	Leaf	5000.0	38460.0	-0.3587242337620229	--
Peperomia pelucida	Leaf	3000.0	38460.0	-0.3587242337620229	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Theobroma bicolor	Fruit	2900.0	36900.0	-0.3594128579223468	--
Equisetum arvense	Plant	5778.0	27000.0	-0.3611918839847072	--
Platycodon grandiflorum	Root	9000.0	12000.0	-0.3628266246094502	--
Grindelia squarrosa	Seed		196000.0	-0.3654892629509832	--
Mangifera indica	Leaf	4000.0	38000.0	-0.367890556151967	--
Cinnamomum verum	Bark	11000.0	14000.0	-0.3697573599609359	--
Cyclanthera pedata	Fruit	1000.0	35100.0	-0.3731611131361679	--
Malpighia glabra	Fruit	3000.0	34924.0	-0.3745053869792971	--
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.
Artocarpus altilis	Fruit	1000.0	34400.0	-0.3785076568304317	--
Eryngium creticus	Shoot		26500.0	-0.37863674926806173	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Alpinia galanga</i>	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.
<i>Malus domestica</i>	Fruit	3210.0	34200.0	-0.3800352407430785	--
<i>Vitis vinifera</i>	Fruit	5010.0	33898.0	-0.3823418924511751	USDA's Ag Handbook 8 and sequelae)
<i>Cydonia oblonga</i>	Seed	140000.0	192000.0	-0.3865586937477494	--
<i>Cucurbita</i> spp	Fruit	2100.0	33230.0	-0.3874440227194154	--
<i>Allium sativum</i> var. <i>sativum</i>	Leaf	5000.0	37000.0	-0.3878173439561933	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Psidium cattleianum</i>	Fruit	3000.0	33000.0	-0.3892007442189592	--
<i>Vigna unguiculata</i>	Fruit	4000.0	32922.0	-0.38979650194489146	USDA's Ag Handbook 8 and sequelae)
<i>Lycium chinense</i>	Seed		191000.0	-0.39182605144694094	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Pyrus communis</i>	Fruit	2790.0	32198.0	-0.39532635570867286	--
<i>Morus alba</i>	Fruit	4000.0	32000.0	-0.3968386637821932	--
<i>Fragaria</i> spp	Seed		190000.0	-0.3970934091461325	--
<i>Dodonaea viscosa</i>	Seed	76000.0	190000.0	-0.3970934091461325	--
<i>Brosimum alicastrum</i>	Fruit	5000.0	31250.0	-0.40256710345461866	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Acacia tortilis</i>	Fruit	24400.0	31000.0	-0.40447658334542713	--
<i>Phyllanthus emblica</i>	Fruit	1000.0	31000.0	-0.40447658334542713	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Brassica oleracea</i> var. <i>viridis</i> l.	Leaf	2200.0	36058.0	-0.4065883780677744	--
<i>Rhizophora mangle</i>	Leaf	34000.0	36000.0	-0.4077441317604195	--
<i>Anogeissus latifolia</i>	Leaf		36000.0	-0.4077441317604195	--
<i>Prosopis juliflora</i>	Fruit		30000.0	-0.4121145029086611	--
<i>Opuntia ficus-indica</i>	Fruit	4000.0	29400.0	-0.4166972546466015	--
<i>Cucumis melo</i>	Fruit	2600.0	29355.0	-0.417040961026947	USDA's Ag Handbook 8 and sequelae)

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 aconitifolia	Fruit		29000.0	-0.4197524224718951	--
Humulus lupulus	Fruit		29000.0	-0.4197524224718951	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Cyamopsis tetragonoloba	Shoot	2400.0	24000.0	-0.4258935674266053	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
Citrus limon	Fruit		28000.0	-0.42739034203512904	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Ribes nigrum	Fruit	3150.0	27977.0	-0.42756601418508344	USDA's Ag Handbook 8 and sequelae)
Glycyrrhiza glabra	Root	1570.0	10000.0	-0.4295238000692604	--
Solanum torvum	Fruit	4000.0	27000.0	-0.435028261598363	--
Serenoa repens	Fruit	3510.0	27000.0	-0.435028261598363	--
Allium ampeloprasum	Flower	5000.0	30000.0	-0.43704508730510255	--
Citrus aurantiifolia	Fruit	2000.0	26700.0	-0.4373196374673332	--
Nelumbo nucifera	Fruit	24000.0	26667.0	-0.4375716888129199	--
Ocimum tenuiflorum	Plant		21700.0	-0.4385478780521028	--
Opuntia ficus-indica	Seed	54000.0	182000.0	-0.4392322707396648	--
Canavalia ensiformis	Fruit	2000.0	26000.0	-0.44266618116159695	--
Centaurea cyanus	Seed	158000.0	181000.0	-0.4444996284388564	--
Areca catechu	Shoot	3000.0	23000.0	-0.4447962946900227	--
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.
Hylocereus undatus	Fruit	1700.0	25640.0	-0.4454158322043612	--
Brassica oleracea var. botrytis l.	Flower	1800.0	29400.0	-0.4465051083149715	--
Anethum graveolens	Seed	68000.0	180200.0	-0.44871351459820963	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Spirulina spp.	Plant		21000.0	-0.44876470745723057	--
Spirulina pratensis	Plant		21000.0	-0.44876470745723057	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Vaccinium corymbosum	Fruit	3740.0	25090.0	-0.4496166879641399	--
Psophocarpus tetragonolobus	Seed	5430.0	180020.0	-0.4496616389840641	--
Areca catechu	Seed	44000.0	180000.0	-0.44976698613804794	--
Malva parviflora	Seed	130000.0	180000.0	-0.44976698613804794	--
Carum carvi	Seed	100000.0	180000.0	-0.44976698613804794	--
Plantago major	Seed	54000.0	180000.0	-0.44976698613804794	--
Ammi visnaga	Seed	120000.0	180000.0	-0.44976698613804794	--
Phoenix dactylifera	Fruit	1000.0	25000.0	-0.4503041007248309	--
Sambucus canadensis	Fruit	5000.0	24750.0	-0.45221358061563943	USDA's Ag Handbook 8 and sequelae)
Humulus lupulus	Flower	5394.0	29000.0	-0.45281178898821745	--
Colubrina texensis	Seed		179000.0	-0.45503434383723945	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Conium maculatum	Seed	116000.0	179000.0	-0.45503434383723945	--
Brassica oleracea var. capitata l.	Leaf	1090.0	33559.0	-0.45638542079053585	USDA's Ag Handbook 8 and sequelae)
Annona muricata	Fruit	2000.0	24000.0	-0.4579420202880649	--
Ficus carica	Fruit	2000.0	24000.0	-0.4579420202880649	--
Tetragonia tetragonioides	Leaf	2000.0	33335.0	-0.46084902125868255	--
Amorphophallus konjac	Root		9000.0	-0.4628723877991655	--
Xanthosoma sagittifolium	Root	1000.0	9000.0	-0.4628723877991655	--
Allium sativum var. sativum	Root	3330.0	9000.0	-0.4628723877991655	--
Vigna mungo	Fruit		23000.0	-0.46557993985129886	--
Gliricidia sepium	Leaf	5000.0	33000.0	-0.4675244951730983	--
Robinia pseudoacacia	Leaf	30000.0	33000.0	-0.4675244951730983	--
Hibiscus sabdariffa	Leaf	3000.0	33000.0	-0.4675244951730983	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Plant	Part	Low PPM	High PPM	StdDev	Reference
Tilia sp.	Leaf	29000.0	33000.0	-0.4675244951730983	--
Casimiroa edulis	Fruit	300.0	22222.0	-0.4715222412714949	--
Passiflora foetida	Fruit	400.0	22220.0	-0.47153751711062136	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Citrus reticulata	Fruit	1900.0	22000.0	-0.4732178594145328	--
Vaccinium myrtillus	Fruit	1760.0	22000.0	-0.4732178594145328	--
Carica papaya	Fruit	2970.0	22000.0	-0.4732178594145328	--
Peganum harmala	Seed	135000.0	175000.0	-0.4761037746340056	--
Vigna aconitifolia	Plant		19000.0	-0.4779556486147383	--
Ephedra sinica	Plant	3990.0	19000.0	-0.4779556486147383	--
Eupatorium perfoliatum	Plant	1710.0	19000.0	-0.4779556486147383	--
Ulex europaeus	Plant	9000.0	19000.0	-0.4779556486147383	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Melilotus indica	Plant	17000.0	19000.0	-0.4779556486147383	--
Annona reticulata	Fruit	2000.0	21000.0	-0.48085577897776677	--
Annona squamosa	Fruit	2000.0	21000.0	-0.48085577897776677	--
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.
Acacia farnesiana	Leaf	6000.0	32280.0	-0.48187178239214123	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Cichorium endivia	Leaf	2000.0	32200.0	-0.4834659254164793	--
Eugenia brasiliensis	Fruit	2000.0	20408.0	-0.4853774273592013	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Ilex paraguariensis	Seed	161000.0	173000.0	-0.48663849003238874	--
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.
Mimosa pudica	Leaf	0.0	32000.0	-0.4874512829773246	--
Cajanus cajan	Fruit	6000.0	20000.0	-0.4884936985410007	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Aframomum melegueta	Fruit		20000.0	-0.4884936985410007	Wealth of India.
Pouteria campechiana	Fruit	4000.0	20000.0	-0.4884936985410007	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Pisum sativum	Fruit	2000.0	19782.0	-0.49015876500578576	--
Althaea officinalis	Seed	128000.0	172000.0	-0.49190584773158025	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Stachys officinalis	Plant	3024.0	18000.0	-0.49255111919349226	--
Vigna subterranea	Plant		18000.0	-0.49255111919349226	--
Syzygium jambos	Fruit	2000.0	19350.0	-0.49345834625710283	--
Bixa orellana	Fruit	3000.0	19230.0	-0.4943748966046909	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Citrus paradisi	Fruit	1000.0	19000.0	-0.49613161810423473	--
Vaccinium macrocarpon	Fruit	2280.0	19000.0	-0.49613161810423473	--
Rosa canina	Fruit	3553.0	19000.0	-0.49613161810423473	--
Chrysanthemum x morifolium	Seed		171000.0	-0.4971732054307718	Wealth of India.
Calathea macrosepala	Flower	2000.0	25975.0	-0.50050606157964	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Syzygium cumini	Fruit	1000.0	18400.0	-0.5007143698421751	--
Coffea arabica	Seed	74000.0	170000.0	-0.5024405631299633	--
Mimosa pudica	Seed	24000.0	170000.0	-0.5024405631299633	--
Prunus persica	Fruit	860.0	18000.0	-0.5037695376674687	--
Cydonia oblonga	Fruit	1000.0	17000.0	-0.5114074572307027	--
Zizyphus jujuba	Fruit	1000.0	17000.0	-0.5114074572307027	--
Balanites aegyptiacus	Fruit	0.0	17000.0	-0.5114074572307027	--
Moringa oleifera	Fruit	2000.0	16950.0	-0.5117893532088643	USDA's Ag Handbook 8 and sequelae)
Solanum quitoensis	Fruit	1000.0	16900.0	-0.5121712491870261	--
Mangifera indica	Fruit	1000.0	16890.0	-0.5122476283826584	--
Pourouma cecropiaefolia	Fruit	3000.0	16665.0	-0.513966160284386	J Cell Biochem VOL. 22=1995

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Capsicum frutescens</i>	Fruit	1000.0	16320.0	-0.5166012425337018	--
<i>Erythrina crista-galli</i>	Seed		167000.0	-0.518242636227538	--
<i>Malva sylvestris</i>	Seed	97000.0	167000.0	-0.518242636227538	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Citrus sinensis</i>	Fruit	1100.0	16000.0	-0.5190453767939366	--
<i>Tamarindus indica</i>	Fruit	3000.0	16000.0	-0.5190453767939366	--
<i>Prunus salicifolia</i>	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.
<i>Quararibea cordata</i>	Fruit	1000.0	15000.0	-0.5266832963571706	--
<i>Annona cherimola</i>	Fruit	1000.0	15000.0	-0.5266832963571706	--
<i>Carica pentagona</i>	Fruit	1000.0	14705.0	-0.5289364826283246	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Arctium lappa</i>	Root	1645.0	7000.0	-0.5295695632589758	--
<i>Canna indica</i>	Root	1000.0	7000.0	-0.5295695632589758	--
<i>Coccinia grandis</i>	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.
<i>Abelmoschus moschatus</i>	Seed	145000.0	164000.0	-0.5340447093251126	Wealth of India.
<i>Licania platypus</i>	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.
<i>Cyrtosperma chamissonis</i>	Root	1000.0	6800.0	-0.5362392808049568	--
<i>Oryza sativa</i>	Plant	9000.0	15000.0	-0.5363375309297539	--
<i>Scutellaria lateriflora</i>	Plant	2055.0	15000.0	-0.5363375309297539	--
<i>Foeniculum vulgare</i>	Seed	17604.0	163000.0	-0.5393120670243041	--
<i>Ceratonia siliqua</i>	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.
<i>Melicoccus bijugatas</i>	Fruit	800.0	13000.0	-0.5419591354836385	--
<i>Murraya sp</i>	Fruit	2970.0	12758.0	-0.5438075120179411	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Musa x paradisiaca	Fruit	2970.0	12758.0	-0.5438075120179411	USDA's Ag Handbook 8 and sequelae)
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.
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.
Ribes rubrum	Fruit	2000.0	12460.0	-0.5460836120477849	--
Cichorium intybus	Leaf	1000.0	29000.0	-0.5472316463900033	USDA's Ag Handbook 8 and sequelae)
Prosopis juliflora	Leaf		29000.0	-0.5472316463900033	--
Solanum melongena	Leaf	4000.0	29000.0	-0.5472316463900033	--
Commelina benghalensis	Leaf	4000.0	28985.0	-0.5475305482070668	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Spondias purpurea	Fruit	1000.0	12000.0	-0.5495970550468725	--
Sclerocarya caffra	Fruit	1000.0	12000.0	-0.5495970550468725	--
Physalis peruviana	Fruit	2000.0	12000.0	-0.5495970550468725	--
Cucurbita pepo	Fruit	1000.0	11905.0	-0.5503226574053797	USDA's Ag Handbook 8 and sequelae)
Amphicarpaea bracteata	Seed	50000.0	160000.0	-0.5551141401218788	--
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.
Cinchona spp	Seed	5000.0	160000.0	-0.5551141401218788	--
Menispermum canadense	Seed		160000.0	-0.5551141401218788	--
Diospyros virginiana	Fruit	4000.0	11230.0	-0.5554782531105626	--
Artocarpus heterophyllus	Fruit	1000.0	11200.0	-0.5557073906974597	--
Brassica oleracea var. gemmifera	Leaf	2000.0	28560.0	-0.5559994330238629	USDA's Ag Handbook 8 and sequelae)
Aspalathus linearis	Shoot		17000.0	-0.5582126582705272	--
Zizyphus jujuba	Shoot		17000.0	-0.5582126582705272	--
Cicuta maculata	Seed		159000.0	-0.5603814978210703	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Sphenostylis stenocarpa	Root	2000.0	6000.0	-0.5629181509888809	--
Maranta arundinacea	Root	1000.0	6000.0	-0.5629181509888809	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Caulophyllum thalictroides	Root	660.0	6000.0	-0.5629181509888809	--
Dioscorea sp.	Root		6000.0	-0.5629181509888809	--
Dioscorea villosa	Root	1440.0	6000.0	-0.5629181509888809	--
Abelmoschus esculentus	Fruit	1000.0	10000.0	-0.5648728941733404	USDA's Ag Handbook 8 and sequelae)
Phaseolus coccineus	Fruit	3000.0	10000.0	-0.5648728941733404	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Acacia senegal	Fruit		10000.0	-0.5648728941733404	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Zizyphus spina-christi	Fruit	9000.0	10000.0	-0.5648728941733404	--
Agave americana	Plant		13000.0	-0.5655284720872618	--
Arundo donax	Plant	11000.0	13000.0	-0.5655284720872618	--
Arachis hypogaea	Leaf	6000.0	28000.0	-0.5671584341942296	--
Lobelia inflata	Leaf	3164.0	28000.0	-0.5671584341942296	--
Vigna radiata	Sprout Seedling	1350.0	23625.0	-0.5697281762066071	USDA's Ag Handbook 8 and sequelae)
Genipa americana	Fruit	3000.0	9250.0	-0.5706013338457658	--
Dioscorea alata	Root	300.0	5700.0	-0.5729227273078524	--
Aegle marmelos	Fruit	2000.0	8860.0	-0.5735801224754271	--
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.
Santalum acuminatum	Fruit	2000.0	8585.0	-0.5756805503553164	--
Anthriscus cerefolium	Seed	105000.0	156000.0	-0.5761835709186449	--
Chondrus crispus	Plant		12000.0	-0.5801239426660156	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Citrus aurantium	Fruit	0.0	8000.0	-0.5801487332998083	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Plant	Part	Low PPM	High PPM	StdDev	Reference
Spondias dulcis	Fruit	1000.0	8000.0	-0.5801487332998083	--
Sicana odorifera	Fruit	200.0	7935.0	-0.5806451980714186	--
Ocimum tenuiflorum	Seed		155000.0	-0.5814509286178364	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Ocimum sanctum	Seed		155000.0	-0.5814509286178364	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Dioscorea pentaphylla	Root	1000.0	5390.0	-0.583260789504123	--
Tephrosia purpurea	Leaf	24000.0	27000.0	-0.5870852219984559	--
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.
Musa x paradisiaca	Sprout Seedling		23000.0	-0.5906796110057675	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Abutilon theophrasti	Seed		153000.0	-0.5919856440162196	Wealth of India.
Pouteria viridis	Fruit	2000.0	6330.0	-0.592904058970409	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Cynara cardunculus	Flower	1000.0	20000.0	-0.5947121041362512	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Cnicus benedictus	Plant	1463.0	11000.0	-0.5947194132447695	--
Phaseolus lunatus	Fruit		6000.0	-0.5954245724262762	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Balanites aegyptiacus	Shoot		15000.0	-0.596018112797362	--
Althaea officinalis	Root	540.0	5000.0	-0.596266738718786	--
Malva neglecta	Seed	70000.0	152000.0	-0.5972530017154111	--
Lablab purpureus	Fruit	1000.0	5682.0	-0.5978534308473846	--
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.
Sambucus nigra	Fruit	800.0	5045.0	-0.6027187856091647	--
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.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Lagenaria siceraria	Fruit	200.0	4485.0	-0.6069960205645757	--
Arctostaphylos uva-ursi	Leaf	3016.0	26000.0	-0.6070120098026822	--
Capsicum frutescens	Seed	100000.0	150000.0	-0.6077877171137942	--
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.
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.
Thuja occidentalis	Seed		150000.0	-0.6077877171137942	--
Panax quinquefolius	Plant		10000.0	-0.6093148838235234	--
Ligustrum japonicum	Seed		149000.0	-0.6130550748129857	--
Corchorus olitorius	Seed	113000.0	148000.0	-0.6183224325121772	--
Euphrasia officinalis	Plant	1386.0	9000.0	-0.6239103544022774	--
Phaseolus lunatus	Sprout Seedling	2900.0	22000.0	-0.624201906684424	--
Cyamopsis tetragonoloba	Fruit		2000.0	-0.6259762506792121	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Teucrium polium	Seed		146000.0	-0.6288571479105604	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Erythrina berteroana	Shoot	2000.0	13000.0	-0.6338235673241969	--
Allium sativum var. sativum	Shoot	3000.0	13000.0	-0.6338235673241969	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Diospyros digyna	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.
Eugenia floribunda	Fruit		0.0	-0.6412520898056799	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Allium sativum var. sativum	Flower	2000.0	17000.0	-0.6420122091855959	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Psidium guajava	Seed	100000.0	143000.0	-0.644659221008135	--
Juncus effusus	Leaf		24000.0	-0.6468655854111347	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Arracacia xanthorrhiza	Root	1000.0	3460.0	-0.6476235638228399	--
Avena sativa	Plant	1540.0	7000.0	-0.6531012955597851	--
Pueraria montana	Root	1000.0	3185.0	-0.6567944254485638	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Clematis vitalba	Seed		140000.0	-0.6604612941057096	--
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.
Ginkgo biloba	Leaf	5520.0	23000.0	-0.666792373215361	--
Urtica dioica	Leaf	4600.0	23000.0	-0.666792373215361	--
Viscum album	Leaf		23000.0	-0.666792373215361	--
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.
Cucurbita pepo	Flower	700.0	14430.0	-0.682532632511201	USDA's Ag Handbook 8 and sequelae)
Myrica cerifera	Leaf		22000.0	-0.6867191610195872	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Sanguisorba officinalis	Seed		135000.0	-0.6867980826016673	--
Celosia cristata	Seed		134000.0	-0.6920654403008588	--
Tephrosia vogelii	Seed	109000.0	134000.0	-0.6920654403008588	--
Robinia pseudoacacia	Seed	108000.0	133000.0	-0.6973327980000504	--
Myrica cerifera	Seed		133000.0	-0.6973327980000504	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Vetiveria zizanioides	Leaf	11000.0	21000.0	-0.7066459488238135	--
Gymnema sylvestre	Leaf	3990.0	21000.0	-0.7066459488238135	--
Pteridium aquilinum	Rhizome	12000.0	13333.0	-0.7084853571400457	--
Lens culinaris	Sprout Seedling	5200.0	19335.0	-0.7135388246680436	USDA's Ag Handbook 8 and sequelae)
Ammi majus	Seed		129400.0	-0.71629528571714	--
Corchorus olitorius	Leaf	2500.0	20350.0	-0.7195983608965606	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Mercurialis annua	Root		1200.0	-0.7229913720924256	--
Artocarpus altilis	Seed	25900.0	128000.0	-0.7236695864960081	--
Anacardium occidentale	Leaf	6000.0	20000.0	-0.7265727366280398	--
Manihot esculenta	Leaf	2000.0	20000.0	-0.7265727366280398	--
Ulex europaeus	Seed	117000.0	125000.0	-0.7394716595935827	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Spartium junceum	Seed	100000.0	124000.0	-0.7447390172927743	--
Vigna aconitifolia	Leaf		19000.0	-0.746499524432266	--
Stevia rebaudiana	Leaf		19000.0	-0.746499524432266	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Acacia decurrens	Seed		123000.0	-0.7500063749919659	--
Sambucus nigra	Seed		123000.0	-0.7500063749919659	--
Medicago sativa	Seed	101000.0	123000.0	-0.7500063749919659	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Hibiscus sabdariffa	Flower	1100.0	10000.0	-0.7523791209673999	--
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.
Lawsonia inermis	Seed	56000.0	122220.0	-0.7541149139973352	--
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.
Sophora japonica	Seed	69000.0	121000.0	-0.7605410903903489	--
Elytrigia repens	Seed	18000.0	121000.0	-0.7605410903903489	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Manihot esculenta	Root	1000.0	12.385	-0.7625966551092769	--
Datura metel	Seed	100000.0	120000.0	-0.7658084480895404	--
Rhus glabra	Seed	87000.0	120000.0	-0.7658084480895404	--
Simaba cedron	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.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Bacopa monnieri	Shoot		6000.0	-0.7661426581681189	Wealth of India.
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.
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.
Larrea tridentata	Seed		117000.0	-0.781610521187115	--
Euphorbia hirta	Leaf		17100.0	-0.7843604212602959	--
Chrysanthemum cinerariifolium	Shoot		5000.0	-0.7850453854315362	--
Luffa aegyptiaca	Leaf	0.0	17000.0	-0.7863531000407186	--
Rubus idaeus	Leaf	2873.0	17000.0	-0.7863531000407186	--
Acacia nilotica	Seed	35000.0	115000.0	-0.7921452365854982	--
Melissa officinalis	Seed		115000.0	-0.7921452365854982	--
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.
Myrica cerifera	Bark	1744.0	8000.0	-0.8086779671088092	--
Ulmus rubra	Bark	1312.0	8000.0	-0.8086779671088092	--
Smilax china	Seed		111000.0	-0.8132146673822643	--
Albizia julibrissin	Seed	85000.0	111000.0	-0.8132146673822643	--
Physalis alkekengi	Seed		110000.0	-0.8184820250814558	--
Lupinus albus	Seed	97400.0	108630.0	-0.8256983051293483	--
Capparis spinosa	Leaf	4900.0	15000.0	-0.8262066756491712	--
Malva parviflora	Leaf	2000.0	15000.0	-0.8262066756491712	--
Rosa canina	Seed	80000.0	108000.0	-0.829016740479839	--
Cryptostegia grandifolia	Seed		108000.0	-0.829016740479839	--
Mangifera indica	Seed		107000.0	-0.8342840981790305	--
Capparis spinosa	Flower		4700.0	-0.8359426398879087	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Malva sylvestris	Leaf		14000.0	-0.8461334634533975	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Nelumbo nucifera	Rhizome	1000.0	6790.0	-0.8553236515091139	--
Solanum tuberosum	Tuber	1000.0	9000.0	-0.8595583143775491	--
Tropaeolum majus	Seed	72000.0	102000.0	-0.8606208866749883	--
Verbascum thapsus	Leaf	5720.0	13000.0	-0.8660602512576238	--
Phoenix dactylifera	Seed	60000.0	100000.0	-0.8711556020733713	--
Vitex agnus-castus	Seed	38000.0	100000.0	-0.8711556020733713	--
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.
Elettaria cardamomum	Seed	67000.0	100000.0	-0.8711556020733713	--
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.
Digitalis purpurea	Leaf		12200.0	-0.8820016815010048	--
Symphytum officinale	Leaf	1320.0	12000.0	-0.8859870390618501	--
Rauvolfia serpentina	Seed	10000.0	97000.0	-0.8869576751709459	--
Avena sativa	Seed	11000.0	97000.0	-0.8869576751709459	--
Pteridium aquilinum	Leaf	1000.0	11494.0	-0.8960699936907885	--
Cenchrus biflorus	Seed	85000.0	94000.0	-0.9027597482685206	--
Vigna subterranea	Seed	31000.0	92000.0	-0.9132944636669036	--
Chenopodium ambrosioides	Seed	25000.0	92000.0	-0.9132944636669036	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Tephrosia purpurea	Seed		91000.0	-0.9185618213660952	--
Senna alexandrina	Leaf	2030.0	10000.0	-0.9258406146703025	--
Cyamopsis tetragonoloba	Leaf		9000.0	-0.9457674024745288	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Chenopodium album	Seed	55000.0	85000.0	-0.9501659675612444	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Trifolium pratense	Seed		85000.0	-0.9501659675612444	Laferriere, J.E., 1988, Nutricomp Program, Nutricomp Database; reviewed in J. Ethnobiology 9(1):27-29.
Arctium lappa	Leaf	1300.0	8335.0	-0.9590187163643392	Wealth of India.
Melilotus alba	Seed	56000.0	83000.0	-0.9607006829596275	--
Melilotus officinalis	Seed	19000.0	83000.0	-0.9607006829596275	--
Lagerstroemia indica	Seed		83000.0	-0.9607006829596275	--
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	--
Plantago asiatica	Seed		81000.0	-0.9712353983580106	--
Rosa multiflora	Seed		80000.0	-0.9765027560572022	--
Coix lacryma-jobi	Seed	31000.0	79000.0	-0.9817701137563937	--
Prosopis juliflora	Seed	53000.0	78000.0	-0.9870374714555853	--
Acacia farnesiana	Seed	20000.0	78000.0	-0.9870374714555853	--
Acacia melanoxylon	Seed		76000.0	-0.9975721868539683	--
Chrysanthemum coronarium	Bud	1700.0	22850.0	-1.0	--
Zea mays	Silk Stigma Style	25000.0	43000.0	-1.0	--
Plantago psyllium	Hull Husk		34000.0	-1.0	--
Nasturtium officinale	Herb	1000.0	20000.0	-1.0	--
Petasites japonicus	Pt	400.0	7270.0	-1.0	USDA's Ag Handbook 8 and sequelae)
Phaseolus acutifolius	Hay	19000.0	35000.0	-1.0	--
Allium sativum var. sativum	Bulb	2000.0	12000.0	-1.0	--
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.
Perilla frutescens	Leaf		6000.0	-1.0055477658872076	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Cassia tora	Seed	33000.0	74000.0	-1.0081069022523514	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
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.
Tribulus terrestris	Leaf		5000.0	-1.0254745536914338	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Salix alba	Bark	840.0	5000.0	-1.028138270682746	--
Tabebuia heptaphylla	Bark	895.0	5000.0	-1.028138270682746	--
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.
Cicer arietinum	Seed	59000.0	69750.0	-1.0304931724739155	USDA's Ag Handbook 8 and sequelae)
Albizia lebeck	Seed		68000.0	-1.0397110484475007	Wealth of India.
Agrostemma githago	Seed	58000.0	68000.0	-1.0397110484475007	--
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.
Trigonella foenum-graecum	Seed	8320.0	64000.0	-1.0607804792442668	--
Physalis peruviana	Seed		63000.0	-1.0660478369434583	--
Senna obtusifolia	Seed	52900.0	63000.0	-1.0660478369434583	--
Mucuna pruriens	Seed	7000.0	63000.0	-1.0660478369434583	--
Passiflora quadrangularis	Seed	13000.0	60000.0	-1.081849910041033	--
Cytisus scoparius	Seed		60000.0	-1.081849910041033	--
Acacia tortilis	Seed		60000.0	-1.081849910041033	--
Stellaria media	Seed	48000.0	59000.0	-1.0871172677402245	--
Acacia senegal	Seed		58000.0	-1.092384625439416	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Quercus alba	Bark	912.0	4000.0	-1.1012917052073916	--
Cajanus cajan	Seed	6000.0	55354.0	-1.1063220539114769	--
Hordeum vulgare	Seed	5000.0	55000.0	-1.1081866985369908	Jim Duke's personal files.*
Zea mays	Seed	10480.0	54579.0	-1.1104042561283503	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Plantago ovata	Seed	50000.0	51000.0	-1.1292561293337569	--
Bixa orellana	Seed	15000.0	50000.0	-1.1345234870329484	--
Strychnos nux-vomica	Seed	40000.0	50000.0	-1.1345234870329484	--
Aesculus hippocastanum	Seed	30000.0	50000.0	-1.1345234870329484	--
Juncus effusus	Seed		50000.0	-1.1345234870329484	--
Mirabilis jalapa	Seed	39000.0	46000.0	-1.1555929178297146	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Crotalaria juncea	Seed		43000.0	-1.1713949909272892	--
Secale cereale	Seed	14000.0	40425.0	-1.1849584370027075	USDA's Ag Handbook 8 and sequelae)
Triticum aestivum	Seed	8000.0	39000.0	-1.1924644217240554	--
Senna occidentalis	Seed	23000.0	39000.0	-1.1924644217240554	--
Ginkgo biloba	Seed	16000.0	38020.0	-1.1976264322692631	--
Plantago psyllium	Seed	8066.0	37000.0	-1.2029991371224384	--
Castanea sativa	Seed	16000.0	36520.0	-1.2055274688180504	--
Rumex acetosella	Seed	17000.0	36000.0	-1.20826649482163	--
Canavalia ensiformis	Seed	23000.0	36000.0	-1.20826649482163	--
Senna alata	Seed	29000.0	35000.0	-1.2135338525208215	--
Inga feuillei	Aril		0.0	-1.2241153449666877	J Cell Biochem VOL. 22=1995
Stillingia sylvatica	Seed	30000.0	32000.0	-1.2293359256183962	--
Vicia faba	Seed	6000.0	31580.0	-1.2315482158520565	USDA's Ag Handbook 8 and sequelae)
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.
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.
Cola acuminata	Seed	4000.0	30000.0	-1.2398706410167792	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
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.
Gleditsia triacanthos	Seed	8000.0	30000.0	-1.2398706410167792	--
Phaseolus lunatus	Seed	1000.0	28898.0	-1.2456752692012885	--
Arisaema triphyllum	Seed		28000.0	-1.2504053564151623	--
Abrus precatorius	Seed	25000.0	28000.0	-1.2504053564151623	--
Oryza sativa	Seed	15000.0	27000.0	-1.255672714114354	--
Nelumbo nucifera	Seed	2000.0	27000.0	-1.255672714114354	--
Cyamopsis tetragonoloba	Seed		27000.0	-1.255672714114354	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
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.
Diospyros virginiana	Seed		26000.0	-1.2609400718135455	--
Vigna mungo	Seed	9000.0	25000.0	-1.266207429512737	--
Vigna aconitifolia	Seed	6000.0	24520.0	-1.268735761208349	--
Vigna unguiculata	Seed	8000.0	24300.0	-1.269894579902171	--
Castanea dentata	Seed	12600.0	24208.0	-1.2703791768104966	--
Fagopyrum esculentum	Seed	19800.0	24000.0	-1.2714747872119285	--
Phaseolus coccineus	Seed	15000.0	24000.0	-1.2714747872119285	--
Phaseolus vulgaris	Seed	3000.0	24000.0	-1.2714747872119285	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Castanea mollissima	Seed	10600.0	20648.0	-1.2891309702196185	--
Pisum sativum	Seed	3670.0	20481.0	-1.2900106189553835	--
Aframomum melegueta	Seed	10000.0	20000.0	-1.2925442180086948	Wealth of India.
Inga edulis	Seed	7000.0	19075.0	-1.297416523880447	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Ceratonia siliqua	Seed	2000.0	18000.0	-1.3030789334070778	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Lablab purpureus	Seed	2000.0	16488.0	-1.3110431782482554	--
Phytelephas macrocarpa	Seed		16000.0	-1.3136136488054608	--
Phaseolus acutifolius	Seed	4700.0	15000.0	-1.3188810065046523	--
Vigna unguiculata	Seed	13100.0	14306.0	-1.3225365527478914	USDA's Ag Handbook 8 and sequelae)
Vigna radiata	Seed	10060.0	14234.0	-1.3229158025022332	USDA's Ag Handbook 8 and sequelae)
Duranta repens	Seed		14000.0	-1.3241483642038439	--
Sphenostylis stenocarpa	Seed	11000.0	12000.0	-1.334683079602227	--
Lens culinaris	Seed	7000.0	11800.0	-1.3357365511420654	--
Artocarpus heterophyllus	Seed	4000.0	8265.0	-1.3543566606087074	--
Casimiroa edulis	Seed	4000.0	8000.0	-1.3557525103989931	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Canna indica	Seed	5000.0	8000.0	-1.3557525103989931	--
Castanospermum australe	Seed		7000.0	-1.3610198680981846	--
Vigna angularis	Seed	5300.0	6123.0	-1.3656393408003757	--
Rhynchosia minima	Seed		6000.0	-1.3662872257973764	--
Eugenia uniflora	Seed		5000.0	-1.371554583496568	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Cycas revoluta	Seed	1200.0	4300.0	-1.375241733886002	--
Brassica oleracea	Stem	1000.0	11110.0	-1.4508583793989052	--
Helianthus tuberosus	Tuber	4550.0	5000.0	-1.5869188511895223	--
Pinus strobus	Plant				--
Phytelephas aequatorialis	Mesocarp	6200.0	426925.0		KOZIOL & PEDERSEN. 1993. PHYTELEPHAS AEQUATORIALIS(AREACEAE) IN HUMAN AND ANIMAL NUTRITION. ECON. BOT. 47:401-307.
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.
Juglans nigra	Pericarp	6240.0	52000.0		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Andira inermis</i>	Bark				--
<i>Nandina domestica</i>	Seed				--
<i>Lycopodium clavatum</i>	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.
<i>Citrus mitis</i>	Jf	5300.0	53000.0		Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
<i>Phellodendron amurense</i>	Cr		517000.0		--
<i>Ficus carica</i>	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.
<i>Sterculia urens</i>	Gum		2800.0		--
<i>Carica papaya</i>	Latex Exudate		24000.0		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Olea europaea</i>	Twig		61000.0		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses